PB 203 546

AIR QUALITY DATA FOR 1967

Doc. #10

from the National Air Surveillance Networks
and
Contributing State and Local Networks

Revised 1971

U.S. ENVIRONMENTAL PROTECTION AGENCY

186

BIBLIOGRAPHIC DATA SHEET

1. Report No. APTD-0741

2.

3. Recipient's Accession No.

4. Title and Subtitle
Air Quality Data for 1967 (Revised 1971)

5. Report Date
August 1971

6.

7. Author(s)

8. Performing Organization Rept. No.

9. Performing Organization Name and Address
Environmental Protection Agency
Division of Atmospheric Surveillance
Research Triangle Park, North Carolina 27711

10. Project/Task/Work Unit No.

11. Contract/Grant No.

12. Sponsoring Organization Name and Address
Environmental Protection Agency
Office of Air Programs
Research Triangle Park, North Carolina 27711

13. Type of Report & Period Covered

14.

15. Supplementary Notes

16. Abstracts

The report presents brief summaries and analyses in addition to basic data tabulations, on particulate and gaseous pollutants gathered during 1967 at the cooperating stations of the various National Air Surveillance Networks (NASN) and similar data from independent state and local sampling networks that have contributed their results to the central air quality data bank. The report contains national summaries of pollutant levels, with illustrations of variations in the levels of gaseous pollutants. The report also presents tables of data on the following groups of pollutants: Urban and nonurban suspended particulate matter; urban and nonurban benzene-soluable organic constituents; Urban and non urban non metallic inorganic constitutents; Urban and nonurban metals; Data is provided on the soiling index related to the following gaseous pollutants: carbon monoxide, nitrogen oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, total oxidants, and aldehydes.

17. Key Words and Document Analysis. 17a. Descriptors

Data collection
Tables (data)
Air pollution
Monitoring
Particles
Benzene
Soluability
Metals
Carbon monoxide
Nitric oxide
Nitrogen dioxide
Sulfur dioxide
Hydrocarbons
Oxidizers
Nonmetallic compounds

17b. Identifiers/Open-Ended Terms

National Air Surveillance Networks
Air Quality
Air pollution detection
Particulates
Soiling index

17c. COSATI Field/Group 13B

18. Availability Statement Unlimited

19. Security Class (This Report) UNCLASSIFIED

20. Security Class (This Page) UNCLASSIFIED

21. No. of Pages 193

22. Price

AIR QUALITY DATA FOR 1967
from the
National Air Surveillance Networks

Revised 1971

Division of Atmospheric Surveillance

ENVIRONMENTAL PROTECTION AGENCY
Research Triangle Park, N. C. 27709
August 1971

PREFACE

The Division of Atmospheric Surveillance of the Environmental Protection Agency (EPA) with the assistance and cooperation of state and local agencies, carries on a variety of air sampling activities to obtain information about the air quality in the United States. This report summarizes data on particulate and gaseous pollutants gathered during 1967 at the cooperating stations of the various National Air Surveillance Networks (NASN) and similar data from independent state and local sampling networks that have contributed their results to the central air quality data bank, operated by the Division of Atmospheric Surveillance. The data on chemical components by the particulate matter in the air are generally for 1966, because of the necessary time lag in laboratory analysis, or for earlier years in cases in which previously gathered samples held in reserve have been retrospectively analyzed.

The APTD (Air Pollution Technical Data) series of reports is issued by the Office of Air Programs, Environmental Protection Agency, to report technical data of interest to a limited number of readers. Copies of APTD reports are available free of charge - as supplies permit - from the Office of Technical Information and Publications, Environmental Protection Agency, Research Triangle Park, North Carolina 2771 [redacted]

0741

Office of Air Programs Publication No. APTD 6[redacted]

ACKNOWLEDGMENTS

The data reported in this publication could not have been gathered without the generous cooperation of the many state and local air pollution control agencies in the operation of the NASN sampling stations. The Environmental Protection Agency offers sincere thanks to these organizations and to their employees.

Gratitude is also due the agencies that have contributed their own data to the Administration's air quality data bank for use in this and other reports and studies. Their efforts make possible a greatly increased national knowledge of air quality.

The names of these supporting agencies are listed below, by state.

- California
  - California State Department of Public Health
  - Santa Clara County Health Department

- Colorado
  - Boulder County Health Department
  - Boulder Health Department
  - Colorado State Health Department
  - Denver Building Department
  - El Paso County Health Department
  - Jefferson County Health Department
  - Larimer County Health Department
  - Las Animas - Huerfano District Health Department
  - Mesa County Health Department
  - Northeast Colorado Health Department
  - Pueblo Health Department
  - Tri-County Health Department
  - Weld County Health Department

- Connecticut
  - Connecticut State Department of Health

- Florida
  - Florida State Board of Health

- Georgia
  - Georgia Department of Public Health

- Illinois
  - Cook County Air Pollution Control Bureau
  - Rockford City Department of Public Health
  - Springfield Department of Public Health

- Massachusetts
  - Brockton City Health Department

Massachusetts (continued)

- Massachusetts Department of Public Health
- Springfield City Health Department

New York

- City of New York, Department of Air Pollution Control
- Elmira City Maintenance Department
- Erie County Health Department
- Glen Cove City Department of Public Works
- Monroe County Health Department
- Schenectady City Health Department
- State of New York, Department of Health
- Utica City Health Department

Ohio

- City of Cincinnati, Division of Air Pollution Control and Heating Inspection
- City of Steubenville Air Pollution Bureau
- Lorain City Department of Public Service
- Ohio Department of Health

South Carolina

- South Carolina Pollution Control Authority

Texas

- Austin City County Health Department
- Health Department of Pasadena
- Houston City Health Department
- Texas State Department of Health

Washington

- Clark County Air Pollution Control Authority
- Puget Sound Air Pollution Control Agency
- Snohomish County Health Department
- Washington State Health Department

Wisconsin

- Wisconsin State Board of Health

CONTENTS

SECTION 1. INTRODUCTION AND SUMMARY

INTRODUCTION 1
SUMMARY OF AIR QUALITY MEASUREMENTS 3
Particulate Averages by Population Class 3
CAMP Data on Gaseous Pollutants 3
Emission Data 3
Table 1-1. National Summary of Air Quality Data 4
Table 1-2. Minimum Detectable Concentration of Inorganic Constituents 5
Table 1-3. Distribution of Cities by Population Class and Particulate Concentration, 1957 through 1967 6
Table 1-4. Distribution of Selected Nonurban Monitoring Sites by Category of Urban Proximity, 1961 through 1966 . . . 7
Table 1-5. Summary of Average Concentrations of Gaseous Pollutants at CAMP Stations 7
Table 1-6. Days with Maximum Hourly Oxidant Concentrations Equal to or Greater than Specified Concentrations . . 9
Table 1-7. Nationwide Emissions of Major Pollutants in 1966 . . 10
GUIDE TO SITE DESCRIPTION LISTING 11
DESCRIPTION OF DATA TABLES 13
LABORATORY METHODOLOGY 17
Suspended Particulate Matter 17
Organic Particulate Matter 17
Figure 1-1. Effects of Relative Humidity on Weight of Atmospheric Particulates at 75°F. 18
Nonmetallic Inorganic Constituents. 18
Metals 19
Gases 19
Soiling Index 20

SECTION 2. URBAN AND NONURBAN SUSPENDED PARTICULATE MATTER

Table 2-1. Suspended Particulate Matter, Urban Frequency Distributions 23
Table 2-2. Suspended Particulate Matter, Nonurban Frequency Distributions 35

SECTION 3. URBAN AND NONURBAN BENZENE-SOLUBLE ORGANIC CONSTITUENTS

Table 3-1. Benzene-Soluble Organic Constituents, Urban Quarterly and Yearly Averages 39
Table 3-2. Benzene-Soluble Organic Constituents, Frequency Distributions from Contributing Networks 42
Table 3-3. Benzene-Soluble Organic Constituents, Nonurban Quarterly and Yearly Averages 45
Table 3-4. Benzo(a)pyrene, Urban Quarterly and Yearly Averages . . 46
Table 3-5. Benzo(a)pyrene, Nonurban Quarterly and Yearly Averages. 49

SECTION 4. URBAN AND NONURBAN NONMETALLIC INORGANIC CONSTITUENTS

Table 4-1. Ammonium, Urban Frequency Distributions 53
Table 4-2. Ammonium, Nonurban Frequency Distributions 61
Table 4-3. Fluorides, Urban Abbreviated Frequency Distributions . . 63
Table 4-4. Fluorides, Nonurban Abbreviated Frequency Distributions. 68
Table 4-5. Nitrates, Urban Frequency Distributions 70
Table 4-6. Nitrates, Nonurban Frequency Distributions 78
Table 4-7. Sulfates, Urban Frequency Distributions. 80
Table 4-8. Sulfates, Nonurban Frequency Distributions 89

SECTION 5. URBAN AND NONURBAN METALS

Table 5-1. Antimony, Urban Abbreviated Frequency Distributions . . 93
Table 5-2. Antimony, Nonurban Abbreviated Frequency Distributions . 94
Table 5-3. Beryllium 1966 Urban Quarterly Composites 95
Table 5-4. Beryllium 1966 Nonurban Quarterly Composites 96
Table 5-5. Bismuth, Urban Abbreviated Frequency Distributions. . . 97
Table 5-6. Bismuth, Nonurban Abbreviated Frequency Distributions . 98
Table 5-7. Cadmium, Urban Frequency Distributions. 99
Table 5-8. Cadmium, Nonurban Abbreviated Frequency Distributions. 100
Table 5-9. Chromium, Urban Frequency Distributions 101
Table 5-10. Chromium, Nonurban Frequency Distributions 102
Table 5-11. Cobalt, Urban Abbreviated Frequency Distributions. . . . 103
Table 5-12. Cobalt, Nonurban Abbreviated Frequency Distributions . . 104
Table 5-13. Copper, Urban Frequency Distributions 105
Table 5-14. Copper, Nonurban Frequency Distributions 106
Table 5-15. Iron, Urban Frequency Distributions 107
Table 5-16. Iron, Nonurban Frequency Distributions 108
Table 5-17. Lead, Urban Frequency Distributions 109
Table 5-18. Lead, Nonurban Frequency Distributions 110
Table 5-19. Manganese, Urban Frequency Distributions 111
Table 5-20. Manganese, Nonurban Frequency Distributions 112
Table 5-21. Molybdenum, Urban Abbreviated Frequency Distributions . 113
Table 5-22. Molybdenum, Nonurban Abbreviated Frequency Distributions 114
Table 5-23. Nickel, Urban Frequency Distributions 115
Table 5-24. Nickel, Nonurban Frequency Distributions 116
Table 5-25. Tin, Urban Frequency Distributions. 117
Table 5-26. Tin, Nonurban Abbreviated Frequency Distributions . . . 118
Table 5-27. Titanium, Urban Frequency Distributions 119
Table 5-28. Titanium, Nonurban Frequency Distributions 120
Table 5-29. Vanadium, Urban Frequency Distributions 121
Table 5-30. Vanadium, Nonurban Abbreviated Frequency Distributions 122
Table 5-31. Zinc, Urban Frequency Distributions 123
Table 5-32. Zinc, Nonurban Frequency Distributions 124

SECTION 6. GASEOUS POLLUTANTS AND SOILING INDEX

Figure 6-1. Annual Frequency Distributions of Carbon Monoxide, CAMP 1967 127
Table 6-1. Carbon Monoxide Annual Frequency Distributions, CAMP 1967 127
Figure 6-2. Annual Frequency Distributions of Nitric Oxide, CAMP 1967. 128
Table 6-2. Nitric Oxide Annual Frequency Distributions, CAMP 1967. . 128

Figure 6-3. Annual Frequency Distributions of Nitrogen Dioxide, CAMP 1967 129
Table 6-3. Nitrogen Dioxide Annual Frequency Distributions, CAMP 1967 129
Figure 6-4. Annual Frequency Distributions of Sulfur Dioxide, CAMP 1967 130
Table 6-4. Sulfur Dioxide Annual Frequency Distributions, CAMP 1967 130
Figure 6-5. Annual Frequency Distributions of Total Hydrocarbons, CAMP 1967 131
Table 6-5. Total Hydrocarbons Annual Frequency, CAMP 1967 . . . 131
Figure 6-6. Annual Frequency Distributions of Total Oxidants, CAMP 1967 132
Table 6-6. Total Oxidants Annual Frequency Distributions, CAMP 1967 132
Table 6-7. Carbon Monoxide, Daily Averages, 1967 133
Table 6-8. Nitric Oxide, Daily Averages, 1967 136
Table 6-9. Nitrogen Dioxide, Daily Averages, 1967 139
Table 6-10. Sulfur Dioxide, Daily Averages, 1967 142
Table 6-11. Total Hydrocarbons, Daily Averages, 1967 145
Table 6-12. Total Oxidants, Daily Averages, 1967 147
Table 6-13. Aldehydes, 24-hour Bubbler 150
Table 6-14. Nitrogen Dioxide, 24-hour Bubbler 152
Table 6-15. Sulfur Dioxide, 24-hour Bubbler 154
Table 6-16. Frequency Distributions of Hourly Sulfur Dioxides in New York City in 1967 156
Table 6-17. Lead Candle Sulfation Rate, National Air Surveillance Networks, 1967 157
Table 6-18. Soiling Index, Daily Averages, 1967 159

APPENDIX

AIR QUALITY DATA SAMPLING SITES 165

SECTION 1.
INTRODUCTION AND SUMMARY

AIR QUALITY DATA, 1967

(REVISED)

INTRODUCTION

Today's National Air Surveillance Networks (NASN) have developed from the Public Health Service's first air pollution sampling effort. In 1953, the Public Health Service's Division of Sanitary Engineering Services, in cooperation with various state and local agencies, began sampling for suspended particulate matter with high-volume air samplers in 17 cities. By 1956, this sampling program had expanded to encompass 66 communities, and a national need and desire to have a larger, truly national air quality sampling effort had become apparent. As a result, the National Air Sampling Network (presently called the National Air Surveillance Networks) was established in January of 1957, to routinely monitor suspended particulate matter in urban and nonurban America. The scope of sampling was expanded to some 185 urban and 48 nonurban stations, of which about 100 of the urban and all of the nonurban stations were scheduled to operate each year. The number of urban stations operating in 1967 was 127; the number of nonurban stations was 30.

Since 1957, network operations have expanded also in the number and types of pollutants measured. The constituent pollutants measured in particulate samples collected by high-volume air samplers are listed in Table 1-1. During 1959 and 1960, limited 24-hour bubbler sampling for the gases nitrogen dioxide (NO_2) and sulfur dioxide (SO_2) began at a few stations. The number of stations has since increased to 50, and operations have been experimentally expanded to sample for aldehydes, ammonia, and total oxidants, in addition to the original two gases. The Continuous Air Monitoring Projects, begun in 1962, gather detailed data in six cities where continuously operating instruments record levels of gaseous carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants every 5 minutes.

In 1966, a 25-station lead peroxide candle network began operation to provide sulfation rate information and to permit comparative studies of this traditional, inexpensive SO_x monitoring method. The network operated 42 stations in 1967, and the data are included herein. Since then, the operations have been suspended in favor of additional efforts in the more definite types of sampling.

With the reorganization of the Public Health Service on January 1, 1967, the network sampling operations were collectively designated the National Air Surveillance Networks and were incorporated in the Air Quality and Emission Data

Program of the National Center for Air Pollution Control (NCAPC), in the Bureau of Disease Prevention and Environmental Control of the Public Health Service. In July 1968, the National Center was redesignated the National Air Pollution Control Administration (NAPCA) under the Consumer Protection and Environmental Health Service; and in January 1969, the Air Quality and Emission Data Program was redesignated the Division of Air Quality and Emission Data (DAQED). In December 1970 NAPCA became a part of the newly-established Environmental Protection Agency (EPA), and DAQED became the Division of Atmospheric Surveillance (DAS). Together with other EPA divisions DAS conducts numerous special studies involving air sampling, but the majority of the EPA air quality surveillance data is collected by the National Air Sampling Network (NASN): the suspended particulate matter, or Hi-vol network; the gas-sampling network; and the continuous Air Monitoring Projects (CAMP).

These networks are operated in cooperation with appropriate state or local agencies. The Division of Atmospheric Surveillance generally provides equipment, supplies, and laboratory analytical services, and the cooperating agency provides the sampling site and the manpower. In addition to assisting the EPA sampling program, many state and local air pollution control agencies operate their own monitoring networks in support of their own air pollution control programs. Many such agencies contribute their data to EPA's air quality data bank, and these data are included in EPA publications.

SUMMARY OF AIR QUALITY MEASUREMENTS

This report presents brief summaries and analyses in addition to basic data tabulations. This section presents national summaries of pollutant levels, and figures illustrating variations in the levels of gaseous pollutants.

Summarized in Table 1-1 are data on suspended particulate matter and on three gases routinely measured at the 24-hour gas sampling stations: sulfur dioxide, nitrogen dioxide, and aldehydes. Total oxidants and ammonia were measured on an experimental basis in 1967, but no data are reported here.

PARTICULATE AVERAGES BY POPULATION CLASS

Table 1-3 presents a distribution of NASN and contributing agency stations in 401 cities with respect to the 1957 through 1967 average suspended particulate matter and population. Nine population classes are defined, in addition to 10 ranges of average particulate concentration with the overall range of from less than 40 $\mu g/m^3$ to more than 200 $\mu g/m^3$. The number of cities for each combination of population class and particulate level is given, along with totals for each population class and particulate level. Clearly, the larger cities have no monopoly on the upper range of particulate concentration.

Table 1-4 considers 25 nonurban sites and categorizes them both by particulate levels and by urban proximity.

CAMP DATA ON GASEOUS POLLUTANTS

Annual averages for each of the six CAMP stations for the last 5 years, 1963 through 1967, are summarized in Table 1-5. Because these stations are too few in number to represent a national average, the CAMP data do not appear in Table 1-1.

Because the formation of photochemical oxidant is so directly dependent on sunlight, averages that include levels during nighttime hours may appear deceptively low. For this reason, Table 1-6 lists for each city the number of days in which at least one hourly average total oxidant concentration exceeded 0.05, 0.10, and 0.15 ppm. This summary gives some indication of the frequency of photochemical smog. Data for the last 4 years, 1964 through 1967, are presented. Previously published summaries of 1964 through 1965 oxidant may be slightly different from the summaries in Table 1-6 because some summaries in the past excluded maximum hourly concentrations not occurring between 11:00 a.m. and 5:00 p.m., and considered instead the highest hourly value occurring during this 6-hour interval.

EMISSION DATA

Estimates of nationwide emissions for five pollutants are presented in Table 1-7. The data are for 1966, except the sulfur oxides data, which are for 1967. Some of the totals are higher than previous NAPCA estimates, because of the inclusion of sources not previously considered. For example, emission estimates have been included for forest fires, burning coal refuse banks, and an increased

Table 1-1. NATIONAL SUMMARY OF AIR QUALITY DATA

($\mu g/m^3$, except as noted)

Pollutant	Urban			Nonurban		
	Number of stations	Arithmetic average	Maximum station average	No. of stations	Arithmetic average	Maximum station average
Suspended particulate matter (1967)	316	97	299	34	35	61
Fractions						
Benzene-soluble organic (1967)	182	6.4	19.7	29	2.4	5.1
Benzo(a)pyrene (1967, ng/m^3)	115	2.64	9.83	30	0.29	2.10
Ammonium (1966)	100	0.9	8.2	29	0.4	1.0
Ammonium (1967)	118	1.2	10.1	30	0.4	1.0
Nitrate (1966)	100	1.7	5.2	29	0.5	1.1
Nitrate (1967)	118	1.8	4.8	30	0.5	1.2
Sulfate (1966)	120	9.9	27.2	29	4.8	10.1
Sulfate (1967)	128	9.4	32.2	30	4.5	10.9
Gases						
Nitrogen dioxide (1967)	47	148	336			
Sulfur dioxide (1967)	47	61	364			

Table 1-2. MINIMUM DETECTABLE CONCENTRATIONS OF INORGANIC CONSTITUENTS[a]

($\mu g/m^3$)

Metal	Urban	Nonurban
Antimony	0.04	0.006
Beryllium	0.0002	0.00007
Bismuth	0.001	0.0002
Cadmium	0.01	0.0005
Chromium	0.006	0.0002
Cobalt	0.006	0.0002
Copper	0.01	0.002
Iron	0.08	0.006
Lead	0.04	0.006
Manganese	0.01	0.006
Molybdenum	0.003	0.0005
Nickel	0.006	0.002
Tin	0.006	0.002
Titanium	0.002	0.00048
Vanadium	0.003	0.0005
Zinc	0.2	0.0003
Nonmetal	Urban	Nonurban
Ammonium	0.06	0.06
Fluoride	0.05	0.05
Nitrate	0.06	0.06
Sulfate	0.6	0.6

[a] Sensitivity to metals in nonurban samples can be greater for two reasons. First, because of low concentrations, inter-element interferences are minimized. Second, since total accumulated material is less than in the urban samples, the sample extract is prepared in a more concentrated form to increase sensitivity.

number of industrial process sources. The increasing availability of new and revised emission factors and additional basic data sources are making better estimates possible.

The estimates of particulate emissions should be viewed with two qualifications in mind. First, a significant portion of particulate emissions is under some sort of control, but the extent and efficiency of such controls have not been evaluated on a national basis. Second, emissions of particulate matter from many processes and activities have not been defined quantitatively.

The current rate of emission for sulfur oxides is expected to remain essentially unchanged. Increases in the use of sulfur-containing fuels should be offset, on a national scale, by the shift to fuels with lower sulfur content in some areas of the country.

The estimate of hydrocarbon emissions is known to be incomplete. The industrial process loss category includes only petroleum refineries and coking operations because data are not available for several other major sources such as the petrochemical industries.

Table 1-3. DISTRIBUTION OF CITIES BY POPULATION CLASS AND PARTICULATE CONCENTRATION, 1957 THROUGH 1967

Population Class	Average particulate concentration, µg/m3										
	Less than 40	40-59	60-79	80-99	100-119	120-139	140-159	160-179	180-199	More than 200	Total
Over 3 million							1		1		2
1-3 million							2	1			3
0.7-1 million			1		2		4				7
400-700,000				4	5	6	1	1	1		18
100-400,000		3	7	30	24	17	12	3	2	1	99
50-100,000		2	20	28	16	12	6	5	1	3	93
25-50,000		5	24	12	12	10	2	1	2	3	71
10-25,000		7	18	19	9	5	2	3	1		64
Under 10,000	1	5	7	15	11	2	1	2			44
Total	1	22	77	108	79	52	31	16	8	7	401

Table 1-4. DISTRIBUTION OF SELECTED NONURBAN MONITORING SITES BY CATEGORY OF URBAN PROXIMITY, 1961 THROUGH 1966

Category	Average particulate concentration, $\mu g/m^3$				
	Less than 20	20-39	40-59	60-79	Total
Near urban		1	3	1	5
Intermediate		5	6		11
Remote	4	5			9
Total nonurban	4	11	9	1	25

Table 1-5. SUMMARY OF AVERAGE CONCENTRATIONS OF GASEOUS POLLUTANTS AT CAMP STATIONS

	Arithmetic average, ppm				
	1963	1964	1965	1966	1967
Carbon monoxide					
Chicago	a	12.0	17.1	12.5	a
Cincinnati	a	a	4.0	4.9	5.6
Denver			7.2	7.9	7.6
New Orleans	a				
Philadelphia	a	7.1	8.1	6.8	6.3
San Francisco	5.4	5.2			
St. Louis		6.3	6.5	5.8	5.6
Washington,D.C.	6.9	5.7	3.7	3.3	4.9
Nitric oxide					
Chicago	0.097	0.100	0.096	0.101	0.072
Cincinnati	0.032	0.038	0.031	0.042	0.032
Denver			0.033	0.039	0.037
New Orleans	0.015				
Philadelphia	0.046	0.045	0.049	0.059	0.063
San Francisco	0.087	0.089			
St. Louis		0.036	0.026	0.032	0.035
Washington, D.C.	0.039	0.034	0.032	0.036	0.047
Nitrogen dioxide					
Chicago	0.041	0.046	0.043	0.057	0.050
Cincinnati	0.030	0.032	0.035	0.036	0.028
Denver			0.036	0.034	0.037
New Orleans	0.017				
Philadelphia	0.039	0.038	0.037	0.039	0.043

Table 1-5 (continued). SUMMARY OF AVERAGE CONCENTRATIONS OF GASEOUS POLLUTANTS AT CAMP STATIONS

	Arithmetic average, ppm				
	1963	1964	1965	1966	1967
Nitrogen dioxide (continued)					
San Francisco	0.049	0.057			
St. Louis		0.033	0.026	0.034	0.024
Washington, D.C.	0.034	0.037	0.035	0.035	0.043
Sulfur dioxide					
Chicago	0.150	0.175	0.130	0.084	0.125
Cincinnati	0.026	0.038	0.030	0.031	a
Denver			0.019	0.011	0.005
New Orleans	0.008				
Philadelphia	0.070	0.081	0.084	0.091	0.098
San Francisco	0.009	0.017			
St. Louis		0.059	0.047	0.042	0.029
Washington, D.C.	0.047	0.047	0.046	0.044	a
Total hydrocarbons					
Chicago	3.2	3.0	2.6	2.8	3.0
Cincinnati	3.3	3.0	2.8	a	2.5
Denver			2.5	2.4	2.4
New Orleans	a				
Philadelphia	2.5	2.2	2.2	2.5	2.4
San Francisco	2.7	2.8			
St. Louis		3.1	2.9	3.0	a
Washington, D.C.	2.8	3.0	2.1	2.4	a
Total oxidants					
Chicago		0.030	0.026	0.021	0.029
Cincinnati	Oxidant data for 1963 not included because of SO_2 interference.	0.028	0.033	a	0.031
Denver			0.033	0.030	a
New Orleans					
Philadelphia		0.026	0.026	0.032	0.026
San Francisco		0.020			
St. Louis		0.031	0.032	0.037	0.035
Washington, D.C.		0.030	0.028	0.027	0.025

[a] Average not calculated because of insufficient or poorly distributed data.

Table 1-6. DAYS WITH MAXIMUM HOURLY OXIDANT CONCENTRATIONS EQUAL TO OR GREATER THAN SPECIFIED CONCENTRATIONS

City	Year	Days valid	0.15 ppm		0.10 ppm		0.05 ppm	
			Number	Percent	Number	Percent	Number	Percent
Chicago	64	259	0	0.0	8	3.1	135	52
	65	275	0	0.0	8	2.9	107	39
	66	235	3	1.3	6	2.6	52	22
	67	255	1	0.4	16	6.3	113	44
Cincinnati	64	304	4	1.3	30	9.9	122	40
	65	311	4	1.3	14	4.8	162	52
	66	208	0	0.0	1	0.5	54	26
	67	248	1	0.4	20	8.1	122	49
Denver	65	284	13	4.6	43	15.1	205	72
	66	298[a]	9	3.0	46	15.4	187	63
	67	166[a]	4	2.4	12	7.2	76	46
Philadelphia	64	293	9	3.1	34	11.6	124	42
	65	261	3	1.1	20	7.7	97	37
	66	315	19	6.0	52	16.5	145	46
	67	282	3	1.1	28	9.9	124	44
St. Louis	64	254	5	2.0	24	9.4	139	55
	65	328	7	2.1	28	8.5	178	54
	66	292	5	1.7	33	11.3	174	60
	67	289	4	1.4	38	13.1	185	64
Washington	64	292	4	1.4	37	12.7	154	53
	65	281	2	0.7	25	8.9	125	45
	66	325	2	0.6	27	8.3	134	41
	67	322	5	1.6	27	8.4	137	43

[a] Data for Denver 1967 are deceptively low because of low validity in the summer months, when oxidant is typically high. There were only 5 valid days in May and none in June and July.

Table 1-7. NATIONWIDE EMISSIONS OF MAJOR POLLUTANTS IN 1966
(millions of tons per year)

Source	CO	Particulate	HC	NO_x	SO_x[a]
Transportation	64.5	1.2	17.6	7.6	0.4
Fuel combustion in stationary sources	1.9	9.2	0.7	6.7	22.9
Industrial processes	10.7	7.6	3.5	0.2	7.2
Solid waste disposal	7.6	1.0	1.5	0.5	0.1
Miscellaneous					
Man-made	9.7	2.9	6.0	0.5	0.6
Forest fires	7.2	6.7	2.2	1.2	N[b]
Total	101.6	28.6	31.5	16.7	31.2

[a] Data for 1967.

[b] Values under 50,000 tons are marked "N," for negligible compared with the total.

GUIDE TO SITE DESCRIPTION LISTING

A list of sampling sites is presented in the Appendix. Information is given on the location of each station - Federal, state, or local - listed in this publication. In addition to the address of each site, the listing offers the type of site, population or topographic class, height of sampler above ground level, the name of supporting state or local agency, and either the county name (for urban sites) or a site name abbreviation (for nonurban sites).

The site types are industrial (I), residential (R), commercial (C), suburban (S), and nonurban (N); some sites are classified as combinations of two or more of these categories. Nine population classes are used: 3,000,000+; 1,000,000 to 3,000,000; 700,000 to 1,000,000; 400,000 to 700,000; 100,000 to 400,000; 50,000 to 100,000; 25,000 to 50,000; 10,000 to 25,000; and under 10,000. Eight topographic classes are used: Atlantic Coast, Desert, Farmland, Forest, Great Lakes Coast, Mountain, and Pacific Coast. The codes for these population and topographic classes are defined in the Appendix.

BLANK PAGE

DESCRIPTION OF DATA TABLES

In this section the five basic formats of data presentation are described in some detail. Following these descriptions, information concerning the type of data appearing in each particular table is presented.

One of the major methods used to present data in this publication is the frequency distribution table. The table lists for each site the year or years of sampling covered, the number of valid samples taken, the minimum value, the nine decile values, the maximum value, the arithmetic mean, the geometric mean, and the standard geometric deviation.

In 1967 the method of calculation of frequency distributions was changed as part of the overall implementation of the DAQED national air quality data bank computer system Storage and Retrieval of Air Quality Data (SAROAD). The frequency distribution program was one of several that were rewritten to be compatible with this new system. In this process, the method of calculating distributions was changed; the resulting distributions represent an improvement over those produced by the old program. The difference between the two programs follows.

Originally, because of computer limitations, a given set of values was divided into 42 logarithmically determined ranges of pollutant concentration, and all values in any given range were treated identically for the purpose of defining percentiles. In each range, the mean value between the upper and lower limits of the range was considered representative of all values in that range. This process was dictated by the limited amount of space in the computer's memory. Percentile values, therefore, were not always actual numbers contained among the original values; and, if the distribution took on an unusual shape, the 90th percentile value occassionally was reported to be greater than the actual maximum pollutant values, which is of course impossible.

The new computer program analyzes the data individually. Specifically, all data are arranged in order from the smallest to the largest value. They then are divided into 10 groups as nearly equal in number of values as is possible.

Then the value reported for, say, the 40th percentile in the frequency distribution is the smallest actual pollutant value satisfying the condition that 40 percent of all pollutant values in the group of data are less than or equal to the stated value. As an example, in a group of 26 values, the 10th percentile is represented by the third smallest value. Twenty-six divided by 10 yields 2. 6, but there is no 2. 6th value, and, the third value is therefore chosen. Ten percent of all pollutant values will be less than or equal to that third value. Similarly, the 20th percentile will be the 5.2th, or the 6th value in the sequence.

Anomalies such as described earlier do not occur with this new program. The arithmetic mean, geometric mean, and standard geometric deviation are reported the same by the new program as they were by the old program.

Since the program was changed, it has been used to produce frequency distributions for both new and old data. In particular, newly computed frequency distributions of data collected during or prior to 1966 may differ slightly from previously calculated frequency distributions of such data.

A second format of data presentation is used in lieu of the frequency distribution table in those cases in which the vast majority of all data values have been reported to be zero. This occurs for those pollutant fractions for which most levels occurring in the ambient air are below the present minimum detectable level. The abbreviated tables used to summarize data in these cases list, for each site, the year or years of sampling, the number of samples collected, the number of samples above the minimum detectable concentrations, and the maximum value among these detectable concentrations. This table format is used for those metal fractions of suspended particulate matter that occur in low concentrations (with respect to minimum detectable concentration), and for fluoride ion concentrations.

Quarterly composite tables are used to report metallic, nonmetallic inorganic, and organic fractions of suspended particulate matter from various stations in the network. For each site, a chemically integrated average concentration value is reported for each of the four quarters of the calendar year, and a yearly average is reported for each year in which valid data for all four quarters were obtained.

A fourth type of table, used exclusively to summarize CAMP data for gaseous pollutants and soiling index, is the table of daily averages. This table simply lists for a particular pollutant the average pollutant value, when valid, for each day in the calendar year. For the gaseous pollutants, these values are averaged from raw data compiled at 5-minute intervals. For soiling index, the sampling period is 2 hours, so that up to 12 values are included in each soiling index daily average value.

The fifth and final form in which data are presented is the frequency distribution table and graph combination. For each of the gaseous pollutants (carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants), a graph presents comparative curves showing the frequency distributions of 5-minute values in the CAMP cities. Adjoining each of these figures is a numerical tabulation of the same information.

For those tables reporting data from many sites (frequency distribution, abbreviated frequency distribution, and quarterly composite), the data are divided into classes: data for urban sites and data for nonurban sites. Originally the distinction between urban and nonurban was fairly clear-cut; the growth and spread of the United States population, however, has made these definitions somewhat arbitrary. Generally, nonurban sites are labeled by county names, e. g., Coconino County, Arizona, and urban site names are not. However, some exceptions do occur in both categories. Hence, the sites are separated into different tables for urban sites and nonurban sites, so that the reader will know whether a particular site is urban or nonurban.

This report is divided into six sections. Section 2 presents data on suspended particulate matter, Section 3 covers the organic fractions of particulate matter, and Section 4 covers the nonmetallic inorganic fractions. Section 5 covers the metallic fractions of particulate matter, and Section 6 presents data on gaseous pollutants and soiling index. The remainder of this discussion describes the content of these tables in more detail.

Tables 2-1 and 2-2 present 1967 data on the concentrations of suspended particulate matter in the air. Data from urban sampling stations are presented in Table 2-1 as frequency distributions by site and city. Table 2-2 presents frequency distributions of data from nonurban stations.*

Tables 3-1 through 3-5 offer 1967 data on the portion of suspended particulate matter that consists of benzene-soluble organic chemical compounds. The concentrations of benzene-soluble organic material from urban and nonurban stations are presented in the first three tables.

Tables 3-4 and 3-5 present data on the concentration of benzo(a)pyrene in the particulate matter from urban and nonurban stations, respectively. Benzo(a)-pyrene, one of the many specific organic compounds included in the benzene-soluble fraction, is of sufficient interest to warrant separate determination because of its carcinogenic, (cancer-causing) properties.

The unit used in reporting benzo(a)pyrene concentrations is different from that used for other fractions of the particulate matter. Because it is present is extremely small amounts, benzo(a)pyrene is reported in nanograms (10^{-9} gram) per cubic meter, rather than in micrograms (10^{-6} gram) per cubic meter.

Tables 4-1 through 4-8 present the results of chemical analyses, for 1966 and 1967, of four nonmetallic inorganic groups. Data on ammonium, nitrate, and sulfate ions extracted from urban particulate matter samples are presented in frequency distribution format in Tables 4-1, 4-5, and 4-7 respectively, and comparable data from nonurban stations appear in Tables 4-2, 4-6, and 4-8, respectively.

Beginning with this edition of Air Quality Data, data on water-soluble fluorides are included. Such data from urban stations are offered in Table 4-3, and comparable nonurban data appears in Table 4-4.

Beginning with the 1966 Air Quality Data publication, reported concentrations of metals have been measured in samples ashed with low-temperature (150°-200° C) oxygen plasma asher. Recovery of several volatile metals, notably cadmium, lead, and zinc is improved with the new method, but use of the new method means that concentrations reported here cannot be meaningfully related to concentrations measured in samples ashed in a high-temperature muffle furnace and included in publications prior to the 1966 edition of Air Quality Data.

Tables 5-1 through 5-32 present data on the concentrations of 16 metals in suspended particulate samples collected at urban and nonurban sites during 1965 or earlier. These samples have been analyzed in retrospect. Because programming of the new computer system data bank has not been completed at this printing, data on metals for 1966, which would normally appear in this volume, have been deferred to the 1968 edition. Beryllium data however, because of beryllium's high biological activity, have been summarized in a special format in Tables 5-3 and 5-4. The odd-numbered tables in Section 5 present data from urban stations, while the even-numbered tables present data from nonurban stations. The 16 metals represented are antimony, beryllium, bismuth, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, tin, titanium, vanadium, and zinc. In most cases, the data are presented in frequency distribution format, but in those cases where detectable quantities of the metal are infrequently measured, the abbreviated summary format is used. In these cases, the reader should refer to Table 1-2 for the minimum quantities in which metals are detectable in urban and nonurban samples under average operating conditions. The degree of interference from other substances determines the actual sensitivity in an individual analysis. In this publication a recorded concentration of zero means only that the actual concentration was below the minimum detectable. However, in the calculation of annual station averages, concentrations below the minimum detectable are treated as zero concentrations.

---

*In addition to the sites listed in Tables 2-1 and 2-2, the following sites reported sampling activity, but a representative year's data were not obtained: Birmingham, Alabama; Joliet, Illinois; North Chicago, Illinois; New Albany, Indiana; Dubuque, Iowa; Portland, Maine; Detroit, Michigan (site 02); Trenton, New Jersey; Hamilton, New Jersey; Cincinnati, Ohio (sites 02, 31) Johnstown, Pennsylvania; San Juan, Puerto Rico (sites 01, 02); Sioux Falls, South Dakota, Texas (sites 01, 02); and Burlington, Vermont.

Figures 6-1 through 6-6 and Tables 6-1 through 6-18 present various summaries of gaseous pollutant data from three of the National Air Surveillance Networks: The Continuous Air Monitoring Projects (CAMP), the 24-hour gas-sampling network, and the lead peroxide candle network.

The CAMP data are presented in Figures 6-1 through 6-6 as graphs of annual frequency distributions of the basic 5-minute values recorded. Accompanying each figure is a tabular listing of the same data in frequency distribution format. Further, Tables 6-7 through 6-12 present daily arithmetic averages of the data for each pollutant and for each city. The pollutants summarized are carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants. The cities in which these were measured are Chicago, Cincinnati, Denver, Philadelphia, St. Louis, and Washington, D. C. In St. Louis and Washington, D. C., technical difficulties caused the hydrocarbon data gathered to be invalid. Accordingly, graphs and tabular listings for these data do not appear in the text.

Data from the 24-hour gas sampling network on aldehydes, nitrogen dioxide, and sulfur dioxide are presented in Tables 6-13, 6-14, and 6-15 respectively. The gas bubbler samples are operated on a schedule of 26 randomly selected days per year, as are the high-volume samplers.

Table 6-16 offers data from the 1967 operations of New York City's continuous monitoring network for sulfur dioxide.

Table 6-17 presents the results of the operation of the lead candle network during 1967. The lead candle provides an index of sulfation, which is determined by the reaction of sulfur compounds with lead peroxide exposed to the air for 30 days.

The result is expressed in milligrams of sulfur trioxide per 100 square centimeters per day. The lead candle consists of a gauze sleeve impregnated with lead peroxide and housed in a circular shelter to assure uniform directional exposure.

Finally, Table 6-18 presents daily average of soiling index concentrations at the six CAMP stations during 1967.

LABORATORY METHODOLOGY

SUSPENDED PARTICULATE MATTER

The weight or mass of particulate matter per volume of air is usually determined by drawing air through a weighed filter with a high-volume air sampler, and then reweighing the soiled filter. Particular laboratory procedures, however, may differ from one laboratory to another. The following procedure is used by the Division of Air Quality and Emission Data for all sampling conducted by the NASN.

Each city's high-volume sampler is located in the central business-commercial district at a site that is, as nearly as practical, comparable with the corresponding sites in other cities. In such a location, measured concentrations are among the higher concentrations found in the city, and therefore cannot be interpreted as the citywide average. Contrasts between cities on a relative scale are considered valid, however.

The high-volume samplers, operating at from 40 to 60 cubic feet per minute, collect particles from about 2200 cubic meters of air during the 24-hour sampling period. The NASN stations are operated during 26 randomly selected days per year. The filters used are 8- by 10-inch flash-fired glass fiber filters selected for low and uniform background concentrations of those substances to be measured.

To eliminate any filters having pinholes or other flaws that could affect air flow, the filters are screened on a light table. Prior to weighing, they are equilibrated for 24 hours at 75° F and 50 percent or less relative humidity. Because any crease in a filter can seriously affect the airflow, filters are weighed with a balance that permits weighing without bending.

The filters are then distributed unfolded to the cooperating local agencies. After sampling, the filters are folded in half with the collected particulate matter inside and returned to the laboratory. After a filter with the collected particulate matter is again equilibrated for at least 24 hours at 75° F and 50 percent or less relative humidity, it is weighed to determine the amount of particulate matter collected. The equilibration at low relative humidity prior to this weighing is crucial, because many of the compounds collected (ammonium sulfate in particular) are quite hygroscopic. Figure 1-1 shows the effect of humidity on the measured weights of soiled filters from three widely differing sampling locations. The increase in weight at the higher humidities represents the amount of atmospheric moisture collected by the particulate matter on the filters.

ORGANIC PARTICULATE MATTER

The numerous specific organic compounds that are removed by benzene include many of the manmade organic pollutants. Natural organic airborne particles, such as pollens and molds, generally are not soluble in benzene.

Benzene-soluble organics are determined by extraction of aliquots of the samples with redistilled benzene in a Soxhlet extractor for from 6 to 8 hours.

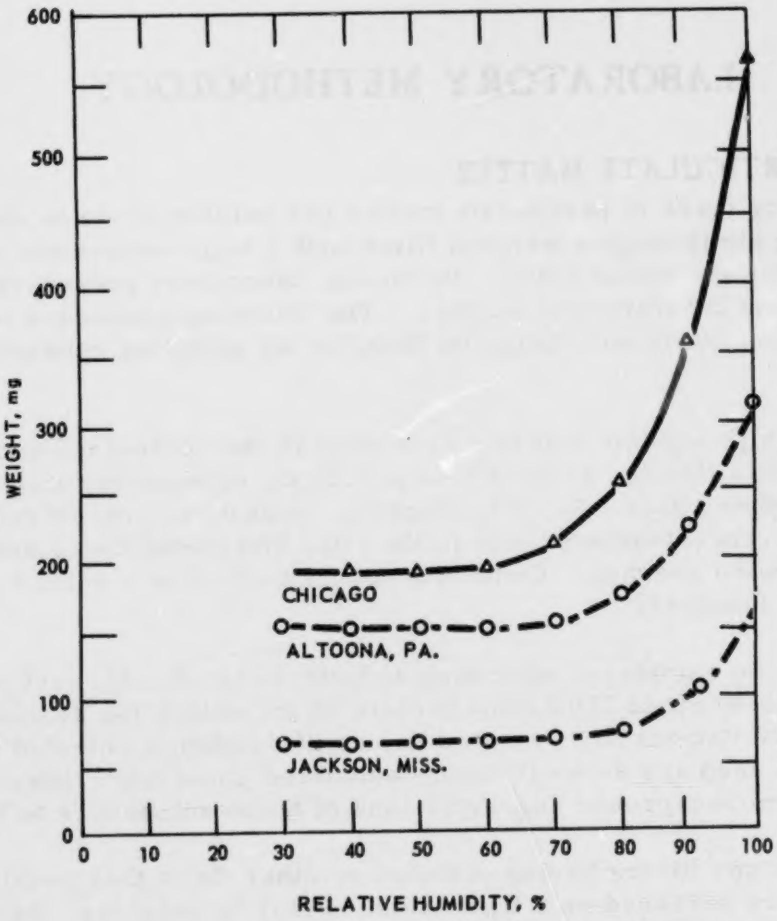

Figure 1-1. Effects of relative humidity on weight of atmospheric particulates at 75 °F.

This extraction removes more than 90 percent of the benzene-soluble organic materials from the sample. After extraction, the solution is concentrated and is filtered into a tared test tube. The benzene solvent is then evaporated at 60° C, and the organic matter remaining is weighed.

The benzo(a)pyrene (BaP) component of the benzene-soluble organic residue is determined after first separating the different components by thin-layer chromatography, then removing the BaP from the thin-layer plate and thin-layer adsorbent. The BaP is then dissolved in sulfuric acid and its concentration measured by florescence spectroscopy.

NONMETALLIC INORGANIC CONSTITUENTS

Analyses for ammonium, nitrate, and sulfate ions are conducted with AutoAnalyzers* on an aqueous extract of an 8.3 percent aliquot of the particulate sample. The sample aliquot is refluxed with 50 ml of distilled water in a 125-ml flask, cooled and filtered, and then reextracted with 10 to 15 ml of water. In filtration of this extract, the filter and flasks are washed to a total volume of 50 ml of filtrate, which is then mixed and used for the three analyses.

---

*Mention of a product or company name does not imply endorsement by the Environmental Protection Agency.

Ammonium ion in the filtrate is determined by reaction with sodium phenolate and a commercial 5.25 percent stabilized sodium hypochlorite solution to produce a blue complex. The intensity of the color of this complex is measured spectrophotometrically at 425 millimicrons.

Nitrate ion in the filtrate is reduced to nitrite by alkaline hydrazine (pH about 11). Sulfanilamide is then added to form a diazo compound, which is subsequently combined with N-1-napthylethylenediamine. The resulting compound is measured spectrophotometrically at 535 millimicrons. This method offers distinct advantages in avoiding interferences from other water-soluble compounds found in atmospheric particulate matter.

Sulfate ion in the filtrate is determined by the methylthymol blue method, which is appropriate only with Auto-Analyzer techniques because the methylthymol blue dye is oxidized by atmospheric oxygen. The filtrate is reacted with a reagent consisting of equal parts of methylthymol blue dye and barium chloride, kept at a pH of 2.8 to prevent the formation of a chelate complex from the dye and the barium. Any sulfate ion in the sample reacts with the barium, leaving an excess of methylthymol blue dye that is proportional to the amount of sulfate present. The pH is then raised to 12.4, at which point the barium not removed by the sulfate forms a chelate complex with the methylthymol blue dye and the excess dye turns yellow. The intensity of the yellow color is then determined colorimetrically at 480 millimicrons.

Beginning with this Air Quality Data publication, data on water-soluble fluorides are included. Measurement of the fluoride ion concentration in NASN samples of suspended particulate matter has become practical by the adaptation in the NAPCA laboratory of a recently developed fluoride selective electrode technique.* The analysis is performed on an aliquot of the same water extract prepared for the ammonium, nitrate, and sulfate analyses. A sodium citrate-carbonate buffer solution is added to adjust the pH ionic strength and control interferences from metal ions. The fluoride-selective electrode generates a potential in proportion to the fluoride activity in the sample that is measured against the potential of a standard reference electrode. The development of this time-saving method, and a lower and more uniform amount of fluoride in the glass-fiber filters, together have made it possible to include this constituent in the routine analyses performed on network samples of suspended particulate matter.

METALS

In the metals analysis an aliquot of the sample is ashed and then extracted with a mixture of distilled hydrochloric acid and nitric acid. The manner of ashing the sample is critical in the determination of the more volatile metals such as lead, zinc, and cadmium. At one time samples were ashed in a muffle furnace at 500° C, but they are now ashed in a low-temperature asher (at about 150° C). After ashing and extraction, metals contents of urban samples are determined with an emission spectrograph.

GASES

The gas samples are gathered with a bubbler-train sampler. Air is drawn successively through a membrane filter, a manifold, a bubbler, another filter, and finally a critical orifice. The membrane prefilter removes particulate matter; the glass manifold permits the connection of up to five bubblers in parallel. The bubbler itself is filled with the appropriate absorbing reagent and is followed by a post-filter, which serves to protect the hypodermic needle critical orifice, which controls the air flow. Following sample collection, the bubbler tubes are shipped to the laboratories for analysis.

---

*M. S. Frant and J. W. Ross, Jr., "Electrode for Sensing Fluoride Ion Activity in Solution," Science, 145:1553-1554 (1966).

The analytical method used for sulfur dioxide is that of West and Gaeke with the addition of sulfamic acid to the method modified for the Auto-Analyzer by Welch and Terry. Sulfur dioxide is collected from the air sample by the complexing action of sodium tetrachloromercurate and is determined colorimetrically by measuring the red-violet color produced when a bleached rosaniline hydrochloride solution and dilute aqueous formaldehyde react with the sulfur dioxide in the collecting solution. The sulfamic acid prevents interference from nitrogen dioxide.

Nitrogen dioxide measurements are based on the procedures of Jacobs-Hochheiser and Saltzman. When the sample air containing nitrogen dioxide is drawn through a sodium hydroxide solution, a dilute solution of sodium nitrite and sodium nitrate is produced. In the laboratory, this collecting solution is reacted with solutions containing phosphoric acid, sulfanilamide, and N-(1-naphtyl)-ethylene-diamine dihydrochloride. The transmittance of the resulting azo dye is measured colorimetrically.

The analytical method for aldehydes is based on the fact that MBTH (3-methyl-2-benzothiazolone hydrozone hydrochloride) reacts with aliphatic aldehydes in the presence of acid ferric chloride. Aldehydes are collected by drawing air through a 0.05 percent solution of MBTH contained in a special polypropylene collection tube. The special tube is required because both the MBTH and the aldehydes are unstable when allowed to come in contact with rubber, polyethylene, or Tygon, materials that are otherwise used in the gas sampler. The sampling tubes contain 50 ml of distilled water when sent into the field. After the sample is returned to the laboratory, color is developed by the addition of ferric chloride-sulfamic acid solution, and measured colorimetrically. Results are expressed as formaldehyde.

SOILING INDEX

Soiling index values are determined with a standard spot tape sampler operating on a 2-hour cycle. The soiled tapes are read with an automated transmissivity meter that determines the soiling index values. Because the transmittance of light through the soiled spot is affected primarily by the surface area of the particles collected, soiling index values are a reflection primarily of the smaller particles. When values of more than 6.0 are reported, the soiled spot is so dense that an accurate determination is not possible. Such values are underestimated, that is, they are lower than would be the average of two 1-hour determinations.

SECTION 2.

URBAN AND NONURBAN SUSPENDED PARTICULATE MATTER

BLANK PAGE

Table 2-1. SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, $\mu g/m^3$													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA HUNTSVILLE SITE 01	67	26	22	34	46	49	56	66	71	81	93	100	127	67	62	1.57
MONTGOMERY SITE 01	67	26	26	41	57	59	63	68	78	93	96	106	137	75	70	1.47
ALASKA ANCHORAGE SITE 03	67	24	16	22	28	43	55	60	84	101	153	312	320	99	69	2.36
FAIRBANKS SITE 01	67	23	26	31	35	53	111	131	153	281	330	418	767	201	124	2.84
ARIZONA MARICOPA COUNTY SITE 01	67	26	8	24	40	42	50	53	60	74	103	125	187	68	57	1.92
PHOENIX SITE 02	67	26	60	85	104	109	133	162	188	215	230	247	374	169	154	1.56
TUCSON SITE 01	67	24	36	54	60	63	80	91	100	118	136	160	175	97	89	1.56
ARKANSAS LITTLE ROCK SITE 01	67	25	36	54	58	62	67	71	82	107	118	131	141	84	79	1.46
CALIFORNIA BAKERSFIELD SITE 01	* 67	28	51	73	76	90	130	146	168	183	203	234	908	170	140	1.78
BERKELEY SITE 01	* 67	23	21	25	27	36	57	63	70	77	81	105	223	68	56	1.86
GLENDALE SITE 01	67	26	22	30	36	54	73	84	92	118	126	155	253	90	75	1.90
LONG BEACH SITE 01	67	25	26	62	91	104	112	115	123	154	177	209	287	132	118	1.68
LOS ANGELES SITE 01	67	25	26	50	64	82	86	93	98	118	125	158	292	103	91	1.68
MONTEREY SITE 01	* 67	26	23	26	35	41	47	53	61	74	83	91	152	60	54	1.63
OAKLAND SITE 01	67	25	33	44	49	67	79	96	102	122	139	149	171	96	87	1.62
REDDING SITE 01	* 67	20	24	37	41	58	62	70	82	99	104	135	413	93	76	1.83
SALINAS SITE 01	* 67	40	23	39	44	60	73	77	94	107	122	171	245	95	81	1.78
SAN DIEGO SITE 01	67	24	30	39	44	50	56	64	72	82	88	103	126	68	64	1.47
SAN FRANCISCO SITE 01	67	25	17	39	45	49	59	67	70	94	105	122	171	75	66	1.69
SAN JOSE SITE 01	* 67	26	29	33	48	54	59	64	86	88	101	128	142	75	68	1.58
SANTA CRUZ SITE 01	* 67	25	16	26	31	42	45	66	66	83	91	101	164	65	57	1.75
COLORADO ADAMS COUNTY SITE 01	* 67	110	18	36	46	55	68	77	88	97	121	148	196	85	74	1.71
ARVADA SITE 01	* 67	104	30	55	65	74	85	97	105	115	134	156	214	100	92	1.32
AURORA SITE 01	* 67	112	19	40	50	57	63	69	75	79	92	109	308	75	68	1.52
BOULDER SITE 01	* 67	90	11	28	34	39	41	47	52	58	65	75	176	51	47	1.56
SITE 02	* 67	94	15	27	31	35	37	44	50	57	67	79	100	48	44	1.52
SUMMARY	* 67	184	11	27	31	36	40	45	51	57	66	79	176	49	45	1.54
BROOMFIELD SITE 01	* 67	91	9	16	21	24	30	35		49	64	87	109	42	35	1.84

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, μg/m³													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
COLORADO SPRINGS SITE 03	* 67	112	20	41	50	62	67	73	79	92	107	129	208	80	72	1.59
DENVER SITE 01	* 67	137	29	54	61	71	81	88	97	116	149	190	283	105	94	1.61
SITE 02	67	114	33	70	89	100	122	142	164	187	255	350	719	175	146	1.82
SITE 03	* 67	109	39	61	76	88	99	112	129	142	162	196	360	121	111	1.53
SITE 04	* 67	119	35	54	70	86	99	112	135	147	175	222	291	126	112	1.65
SITE 05	* 67	105	26	42	53	58	68	73	82	100	120	151	250	86	77	1.61
SITE 06	* 67	108	20	29	40	48	52	57	63	74	82	123	204	66	59	1.63
SITE 07	* 67	113	19	37	44	51	55	58	64	72	81	100	171	64	59	1.47
SUMMARY	* 67	805	19	45	55	64	75	86	100	122	151	191	719	106	89	1.62
DURANGO SITE 03	* 67	112	24	43	49	56	61	69	74	87	104	117	250	77	70	1.53
ENGLEWOOD SITE 01	* 67	111	35	52	57	67	76	82	93	109	124	160	237	94	86	1.54
FORT COLLINS SITE 01	* 67	86	22	30	43	48	60	70	83	94	107	124	203	75	67	1.67
GLENWOOD SPRINGS SITE 01	* 67	99	28	40	49	54	61	73	78	93	116	174	263	85	74	1.65
GOLDEN SITE 01	* 67	106	21	37	43	50	57	62	69	75	83	97	212	66	61	1.51
GRAND JUNCTION SITE 03	* 67	82	20	28	42	49	58	65	73	86	100	129	230	73	64	1.71
GREELEY SITE 01	* 67	115	22	37	44	55	66	80	89	102	120	149	191	85	74	1.68
SITE 02	* 67	118	16	29	38	48	58	65	72	83	92	116	185	69	61	1.69
SUMMARY	* 67	233	16	32	41	51	62	70	81	90	107	135	191	77	67	1.69
LAKEWOOD SITE 01	* 67	117	14	28	37	41	47	53	57	63	75	90	151	56	51	1.57
LONGMONT SITE 01	* 67	93	20	39	46	60	68	79	86	103	126	156	292	92	78	1.74
MANITOU SPRINGS SITE 01	* 67	108	20	42	46	53	60	65	71	78	84	94	154	67	63	1.42
MONTROSE SITE 01	* 67	106	25	48	57	65	78	87	99	115	131	150	459	96	85	1.61
PUEBLO SITE 01	* 67	107	25	68	85	99	110	122	139	150	169	214	470	133	120	1.59
SITE 02	* 67	107	30	50	61	70	79	89	100	111	129	165	250	99	90	1.56
SITE 03	* 67	105	54	71	89	105	112	134	153	160	179	220	364	142	130	1.51
SITE 04	* 67	109	16	31	40	46	54	60	68	77	85	110	210	66	59	1.59
SITE 05	* 67	113	20	43	56	62	69	77	85	96	107	125	632	89	77	1.63
SITE 06	* 67	112	19	52	65	73	80	89	103	114	126	140	250	97	89	1.52
SUMMARY	* 67	653	16	46	60	70	80	91	104	119	140	169	632	104	91	1.57
STERLING SITE 01	* 67	92	26	45	54	61	67	77	89	102	118	150	258	89	79	1.61
TRINIDAD SITE 01	* 67	117	18	43	55	69	78	92	102	113	134	154	247	96	85	1.67
CONNECTICUT BRIDGEPORT SITE 01	* 67	24	44	64	67	74	84	88	111	115	137	148	275	105	96	1.54
HARTFORD SITE 01	67	26	23	38	45	49	55	72	85	123	140	156	221	89	76	1.79
NEW BRITAIN SITE 02	* 67	23	31	66	81	95	101	116	130	138	170	193	277	125	113	1.61

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, µg/m³													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
NEW HAVEN SITE 01	67	26	31	38	48	61	79	87	105	128	135	159	177	94	83	1.73
STAMFORD SITE 01	* 67	24	40	42	45	55	85	90	99	110	116	147	271	94	83	1.66
WATERBURY SITE 01	* 67	24	25	43	48	54	73	77	86	127	159	192	237	99	83	1.84
DELAWARE NEWARK SITE 01	67	26	20	35	41	46	60	65	71	77	90	134	179	73	64	1.67
WILMINGTON SITE 01	67	21	76	87	91	104	108	132	140	143	162	204	223	134	127	1.39
DC WASHINGTON SITE 01	67	26	35	58	60	67	74	84	94	99	127	150	170	91	85	1.46
SITE 02	67	150	46	69	77	92	99	110	124	137	157	177	304	118	110	1.46
FLORIDA APALACHICOLA SITE 01	* 67	23	26	39	44	44	46	54	68	76	79	107	141	63	58	1.50
GAINESVILLE SITE 01	* 67	20	28	45	56	60	62	72	76	85	95	100	108	74	70	1.39
JACKSONVILLE SITE 03	* 67	24	29	40	42	59	63	65	77	85	101	132	144	75	69	1.55
MIAMI SITE 03	* 67	25	23	31	32	42	43	47	52	63	66	126	167	59	52	1.63
ORLANDO SITE 01	* 67	26	17	26	34	35	38	43	51	62	64	92	105	52	47	1.58
TALLAHASSEE SITE 01	* 67	22	18	30	32	37	42	43	51	58	63	87	137	52	47	1.58
WINTER HAVEN SITE 01	* 67	21	23	30	32	33	46	55	55	59	68	68	84	50	47	1.46
GEORGIA ALBANY SITE 01	* 67	21	48	54	62	69	90	108	121	137	182	197	307	119	104	1.70
ATLANTA SITE 01	67	26	48	64	75	80	88	96	99	104	140	179	376	117	103	1.60
AUGUSTA SITE 01	* 67	26	33	53	68	72	76	77	85	105	112	174	257	96	87	1.56
BRUNSWICK SITE 01	* 67	25	28	36	37	45	51	64	68	81	110	157	183	75	65	1.70
COLUMBUS SITE 01	* 67	26	9	40	45	58	63	67	74	75	82	103	122	67	61	1.65
GAINESVILLE SITE 01	* 67	25	31	37	42	53	61	67	69	89	95	129	136	74	67	1.55
LYONS SITE 01	* 67	26	12	30	37	40	45	49	62	69	75	88	124	57	51	1.67
MACON SITE 01	* 67	24	46	74	79	89	95	127	146	148	204	214	313	137	123	1.61
ROME SITE 01	* 67	26	22	34	40	48	64	65	70	77	90	107	113	66	61	1.55
ROSSVILLE SITE 01	* 67	24	48	71	74	92	100	111	125	156	208	254	531	148	125	1.75
SAVANNAH SITE 01	* 67	26	54	61	64	74	83	104	112	132	158	361	602	154	115	1.97
VALDOSTA SITE 01	* 67	26	50	57	71	90	96	97	112	117	139	149	408	113	102	1.54
HAWAII HONOLULU SITE 01	67	26	22	25	28	31	34	36	39	42	46	53	83	38	36	1.36

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
IDAHO BOISE SITE 01	67	25	13	36	46	58	61	75	80	91	99	113	121	72	65	1.69
ILLINOIS BLUE ISLAND SITE 01	* 67	132	14	61	81	92	104	121	141	165	207	260	502	145	124	1.79
CALUMET CITY SITE 01	* 67	136	21	47	61	68	86	101	112	147	167	213	397	120	100	1.83
CHICAGO SITE 01	67	26	29	54	67	78	82	99	110	118	127	144	175	99	92	1.53
SITE 02	67	136	73	111	124	144	155	171	190	216	241	281	423	187	173	1.48
SUMMARY	67	162	29	84	112	124	144	159	177	199	229	279	423	163	126	1.51
CHICAGO HEIGHTS SITE 01	* 67	127	18	38	50	58	72	83	104	117	141	191	366	101	84	1.85
CICERO SITE 01	* 67	137	43	71	91	111	132	157	182	207	229	272	525	167	147	1.68
COOK COUNTY SITE 01	* 67	136	20	61	77	95	111	122	163	195	226	306	576	161	133	1.87
EAST ST LOUIS SITE 01	67	23	62	106	110	134	140	156	165	179	197	232	249	156	148	1.40
FLOSSMOOR SITE 01	67	136	18	36	49	58	70	83	102	116	136	193	360	101	84	1.85
FRANKLIN PARK SITE 01	67	119	14	37	48	61	84	100	124	153	189	258	360	123	96	2.07
HARVEY SITE 01	* 67	127	19	48	62	72	88	105	121	143	160	196	432	121	101	1.82
HILLSIDE SITE 01	* 67	139	11	38	51	69	79	89	109	127	166	201	319	111	90	1.96
MIDLOTHIAN SITE 01	* 67	132	14	47	60	74	79	97	115	139	161	223	427	115	97	1.81
NILES SITE 01	* 67	137	6	27	40	51	61	76	90	102	128	163	308	89	71	2.00
ORLAND PARK SITE 01	* 67	130	20	40	51	62	72	86	101	117	143	173	411	102	86	1.77
PALATINE SITE 01	* 67	137	10	26	30	35	43	55	68	85	106	150	408	72	56	2.03
RIVER FOREST SITE 01	* 67	130	28	48	57	77	88	107	117	140	172	197	559	119	102	1.77
ROCKFORD SITE 01	* 67	26	34	41	48	51	64	67	85	93	101	104	153	74	69	1.48
SPRINGFIELD SITE 01	* 67	23	2	34	64	70	78	85	91	95	99	118	335	90	68	2.63
WILMETTE SITE 01	* 67	134	5	24	36	55	65	75	95	108	133	201	336	97	72	2.30
INDIANA EAST CHICAGO SITE 01	67	26	82	103	124	140	167	168	173	175	206	228	276	168	162	1.34
HAMMOND SITE 01	67	23	40	55	72	83	92	105	116	176	182	224	235	124	110	1.66
INDIANAPOLIS SITE 01	67	23	71	89	95	110	126	132	134	141	154	162	261	132	127	1.32
MUNCIE SITE 01	67	22	50	65	75	76	82	91	95	102	106	116	137	91	88	1.29
SOUTH BEND SITE 01	67	24	37	43	61	63	66	78	91	101	120	150	189	90	82	1.55
TERRE HAUTE SITE 01	67	24	32	71	80	88	96	97	108	110	134	161	296	113	102	1.56

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, µg/m3													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
IOWA CEDAR RAPIDS SITE 01	67	25	44	59	64	106	110	149	151	159	192	228	281	138	123	1.67
DES MOINES SITE 01	67	25	60	64	76	87	95	103	114	124	148	173	258	117	108	1.47
DUBUQUE SITE 01	67	25	64	78	93	101	110	121	132	161	169	234	255	136	127	1.46
KANSAS TOPEKA SITE 01	67	26	15	20	32	34	43	53	60	63	73	89	134	55	48	1.73
WICHITA SITE 01	67	25	26	32	49	62	76	79	80	97	121	167	203	89	77	1.74
KENTUCKY COVINGTON SITE 01	67	25	35	58	58	71	73	77	79	82	83	111	131	77	74	1.34
LEXINGTON SITE 01	67	26	34	37	52	63	69	70	79	84	87	108	131	74	70	1.42
LOUISVILLE SITE 01	67	26	53	76	88	95	109	122	136	140	160	174	237	125	117	1.46
LOUISIANA NEW ORLEANS SITE 02	67	26	47	57	68	71	75	78	86	90	94	104	116	81	79	1.25
MARYLAND BALTIMORE SITE 01	67	25	49	61	69	85	101	113	130	153	187	225	285	132	117	1.66
MASSACHUSETTS BOSTON SITE 01	* 66	261	15	63	70	80	91	99	108	120	136	155	326	106	98	1.48
BOSTON SITE 01	* 67	24	32	58	69	81	83	86	102	112	137	143	279	101	92	1.56
BROCKTON SITE 02	* 67	22	31	40	45	49	52	56	60	61	71	83	114	59	56	1.37
LAWRENCE SITE 01	* 67	26	15	28	34	42	54	60	66	80	90	115	207	68	58	1.79
LYNN SITE 01	* 66	263	13	35	46	52	61	70	78	88	105	131	309	79	69	1.67
NEW BEDFORD SITE 01	* 67	25	26	36	38	51	55	59	64	69	78	102	126	63	58	1.46
QUINCY SITE 01	* 66	264	12	39	45	52	57	61	69	80	91	112	210	70	64	1.54
SPRINGFIELD SITE 01	* 67	24	24	42	54	75	85	91	112	160	218	253	272	123	100	1.99
MICHIGAN DETROIT SITE 01	67	23	44	54	75	93	130	138	145	165	210	245	253	141	124	1.70
FLINT SITE 01	67	25	15	44	47	59	60	64	70	83	93	103	137	71	66	1.55
GRAND RAPIDS SITE 01	67	25	22	46	50	69	72	75	88	92	103	139	225	84	75	1.63
MINNESOTA MINNEAPOLIS SITE 01	67	26	35	51	64	67	79	81	91	95	106	121	132	84	79	1.40
ST. PAUL SITE 01	67	26	40	42	51	57	66	51	98	122	132	152	267	94	83	1.67
MISSOURI KANSAS CITY SITE 01	67	26	60	72	85	95	111	116	123	150	155	182	209	122	116	1.39
ST. LOUIS SITE 01	67	25	66	80	84	91	104	115	124	130	134	150	184	115	111	1.30
SITE 02	67	146	17	67	83	95	110	122	140	165	187	205	296	133	121	1.59
SUMMARY	67	171	17	69	84	95	110	122	132	161	180	203	296	124	116	1.46

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MONTANA HELENA SITE 01	67	26	23	33	41	44	54	64	76	86	93	113	182	71	63	1.63
NEBRASKA OMAHA SITE 01	67	26	31	78	95	101	107	118	134	146	154	177	229	123	116	1.48
NEVADA LAS VEGAS SITE 01	67	26	33	57	65	82	85	89	96	111	114	129	133	91	87	1.39
RENO SITE 01	67	25	34	57	69	83	101	110	127	163	204	263	504	144	118	1.88
NEW HAMPSHIRE CONCORD SITE 01	67	26	17	19	24	25	29	38	41	83	95	101	129	53	43	1.96
NEW JERSEY BAYONNE SITE 01	67	23	46	65	77	88	99	108	113	126	145	178	265	116	106	1.53
BURLINGTON COUNTY SITE 02	67	26	33	49	63	66	75	83	88	103	111	167	184	93	85	1.54
GLASSBORO SITE 01	67	26	17	31	38	40	48	49	55	59	61	67	94	50	48	1.41
JERSEY CITY SITE 01	67	25	44	64	73	81	86	103	117	131	146	191	229	115	106	1.51
NEWARK SITE 01	67	25	24	38	59	67	80	92	107	126	137	160	191	98	86	1.72
PATERSON SITE 01	67	25	35	45	51	75	81	92	92	107	115	125	157	89	83	1.48
PERTH AMBOY SITE 01	67	25	63	77	78	96	103	116	120	125	134	179	189	116	112	1.35
NEW MEXICO ALBUQUERQUE SITE 01	67	26	35	52	63	69	86	102	119	129	160	242	282	120	104	1.74
NEW YORK AKRON SITE 01	* 67	33	12	42	48	56	61	67	71	92	114	138	305	84	71	1.81
ALBANY SITE 01	* 67	44	25	50	53	66	75	79	107	114	127	154	220	96	86	1.65
BABYLON SITE 01	* 67	50	30	52	61	65	72	77	81	91	99	114	214	83	78	1.43
BINGHAMTON SITE 02	* 67	48	27	40	56	60	68	70	81	93	115	147	263	86	77	1.62
SITE 03	* 67	48	26	38	46	58	65	74	80	89	105	130	177	79	72	1.57
BUFFALO SITE 01	* 67	73	37	60	72	79	92	102	110	127	148	204	277	114	103	1.57
SITE 03	* 67	52	21	114	157	166	186	194	222	257	299	399	533	226	200	1.71
SUMMARY	* 67	125	21	69	79	99	110	135	163	194	211	275	533	170	143	1.64
CHEEKTOWAGA NW SITE 01	* 67	49	35	70	86	93	106	119	123	137	172	246	481	138	122	1.63
CHEMUNG COUNTY SITE 02	* 67	37	19	26	33	42	45	55	59	64	78	92	150	57	51	1.62
COLUMBIA COUNTY SITE 01	* 67	50	12	16	28	32	37	43	49	57	62	79	121	67	41	1.72
ELMIRA SITE 01	* 67	42	27	40	56	61	64	66	76	86	91	106	178	75	69	1.48
ENDICOTT SITE 01	* 67	52	13	31	38	42	51	59	68	81	95	120	184	69	59	1.77
SITE 02	* 67	51	28	51	78	86	109	119	141	151	174	220	636	140	117	1.81
ERIE COUNTY SITE 11	* 67	48	5	23	29	34	40	50	57	68	86	103	137	57	48	1.87

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
GARDEN CITY SITE 01	* 67	44	35	42	51	59	61	68	72	77	85	106	182	74	69	1.45
GLEN COVE SITE 01	* 67	49	39	64	77	90	97	110	136	145	156	189	221	120	112	1.49
HEMPSTEAD SITE 01	* 67	47	45	59	67	74	88	96	117	122	149	194	557	119	104	1.63
HORSEHEADS SITE 01	* 67	40	20	51	55	62	69	74	80	87	124	142	424	94	81	1.67
HUDSON SITE 01	* 67	51	28	37	61	67	77	84	89	121	143	163	238	98	86	1.71
JOHNSON CITY SITE 01	* 67	51	20	35	49	59	71	95	102	107	121	166	307	95	81	1.80
KINGS POINT SITE 01	* 67	53	30	45	51	63	71	77	90	113	138	181	243	95	84	1.66
KINGSTON SITE 01	* 67	48	19	39	45	49	65	69	82	95	113	126	256	83	72	1.69
LACAWANNA SITE 01	* 67	47	38	99	121	152	165	182	226	267	292	399	1083	233	189	1.92
SITE 02	* 67	50	28	67	87	105	115	127	141	157	183	215	315	160	127	1.60
SUMMARY	* 67	97	28	73	104	117	138	152	170	199	263	293	1083	186	155	1.76
MT VERNON SITE 01	* 67	47	37	50	54	62	69	77	100	112	131	154	169	91	83	1.54
NASSAU COUNTY SITE 01	* 67	55	17	40	50	64	75	84	88	96	110	135	248	86	76	1.66
SITE 02	* 67	54	36	44	53	62	69	83	96	105	133	217	338	103	87	1.75
SITE 03	* 67	55	24	39	45	56	61	65	75	83	90	110	213	73	67	1.54
SITE 04	* 67	59	16	36	45	57	64	69	78	95	105	116	174	77	69	1.63
SUMMARY	* 67	223	16	40	50	60	65	74	85	95	108	135	338	84	74	1.64
NEW ROCHELLE SITE 02	* 67	48	30	56	63	75	85	93	103	120	136	152	206	100	93	1.50
NEW YORK CITY SITE 01	67	21	54	79	95	128	153	174	205	260	271	301	372	186	163	1.74
OSSINING SITE 01	* 67	50	21	37	46	53	63	75	84	100	112	132	200	81	72	1.64
POUGHKEEPSIE SITE 01	* 67	44	14	27	32	46	50	63	71	90	106	131	240	75	62	1.88
ROCHESTER SITE 01	* 67	52	36	65	75	81	87	97	118	126	148	185	236	112	106	1.51
ROCKLAND COUNTY SITE 01	* 67	44	23	28	37	50	53	60	67	77	97	129	172	70	62	1.68
ROCKVILLE CTR SITE 01	* 67	50	16	58	86	88	94	102	117	124	131	169	235	111	101	1.59
SAUGERTIES SITE 01	* 67	48	40	56	66	86	95	106	119	133	162	176	205	112	103	1.54
SCHENECTADY SITE 01	* 67	48	37	44	59	69	80	88	102	106	112	132	210	92	84	1.53
SCHENECTADY COUNTY SITE 11	* 67	45	17	26	29	36	43	53	56	62	65	85	117	53	48	1.58
SLOAN SITE 01	* 67	47	51	69	80	93	100	116	137	149	170	256	476	140	122	1.64

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
SOUTHAMPTON SITE 01	* 67	48	12	21	25	29	30	32	33	35	45	47	94	35	32	1.46
SUFFOLK COUNTY SITE 01	* 67	48	23	30	39	46	54	59	69	77	92	128	250	70	61	1.67
SITE 02	* 67	49	16	30	35	40	50	57	61	70	81	119	209	64	55	1.68
SITE 11	* 67	47	23	29	41	45	49	53	57	66	70	83	136	58	54	1.47
SITE 22	* 67	48	18	35	45	48	53	57	69	74	84	94	166	64	59	1.51
SITE 31	* 67	49	10	17	21	24	27	29	31	36	42	50	87	32	29	1.54
SUMMARY	* 67	241	10	26	31	39	45	51	57	67	77	93	290	57	50	1.58
SYRACUSE SITE 01	* 67	52	53	88	104	115	130	157	184	237	277	335	442	184	159	1.76
TONAWANDA SITE 01	* 67	35	51	72	78	87	93	103	132	138	153	184	302	120	111	1.48
TROY SITE 02	* 67	43	26	45	47	50	54	58	63	69	77	84	143	63	60	1.37
UTICA SITE 01	* 67	50	38	48	59	78	86	102	116	133	142	161	231	109	98	1.60
WESTCHESTER COUNTY SITE 01	* 67	54	23	34	41	50	55	58	70	79	93	115	143	68	61	1.40
WHITE PLAINS SITE 01	* 67	58	28	46	53	63	72	78	89	107	122	141	264	89	80	1.57
YONKERS SITE 02	* 67	45	27	44	54	66	75	95	98	122	147	178	282	103	90	1.70
NORTH CAROLINA CHARLOTTE SITE 01	67	25	61	67	82	86	100	107	109	125	128	173	316	115	108	1.43
NORTH DAKOTA BISMARCK SITE 01	67	25	24	29	33	43	50	61	65	111	117	146	216	80	66	1.88
FARGO SITE 01	67	24	24	31	37	41	49	54	65	71	84	95	136	63	57	1.58
OHIO ADAMS COUNTY SITE 01	* 67	25	27	30	36	37	40	63	65	72	79	92	103	59	54	1.53
AKRON SITE 01	67	26	35	42	77	94	106	134	139	156	174	195	228	127	114	1.67
CANTON SITE 01	* 67	23	45	65	69	80	84	88	98	126	139	143	195	102	95	1.46
CINCINNATI SITE 01	67	25	56	68	75	77	96	120	126	146	160	184	225	119	111	1.49
SITE 02	* 67	24	34	39	49	63	66	76	88	89	111	136	151	81	74	1.54
SITE 03	67	146	22	71	82	95	107	114	126	139	154	189	301	123	114	1.48
SUMMARY	67	195	22	64	76	88	98	111	123	135	152	175	301	107	98	1.50
CLEVELAND SITE 01	67	26	42	55	64	73	86	91	111	131	143	146	189	102	95	1.50
COLUMBUS SITE 01	67	26	13	57	67	73	84	86	99	102	110	121	168	89	82	1.62
DAYTON SITE 01	67	26	36	41	77	80	89	97	127	171	185	249	293	129	110	1.80
EAST LIVERPOOL SITE 01	* 67	22	61	84	96	103	139	159	177	181	198	255	306	160	146	1.55
FRANKLIN SITE 01	* 67	25	24	38	46	63	69	75	89	101	125	142	182	86	76	1.70
GREENVILLE SITE 01	* 67	26	32	39	50	56	64	74	80	93	109	120	193	79	72	1.55
HAMILTON SITE 01	* 67	25	35	42	51	71	78	94	100	115	123	148	214	96	86	1.60

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
LORAIN SITE 01	* 67	26	26	35	37	43	52	55	60	86	93	120	252	74	62	1.76
MARYSVILLE SITE 01	* 67	26	31	51	75	82	98	105	109	119	132	146	207	102	95	1.52
NAPOLEON SITE 01	* 67	24	35	37	46	59	65	69	79	92	100	108	191	78	72	1.54
NEWARK SITE 01	* 67	25	41	57	82	96	101	116	131	134	142	184	305	123	112	1.56
PAINESVILLE SITE 01	* 67	22	51	56	59	68	69	85	97	102	107	116	186	88	83	1.39
PORTSMOUTH SITE 01	* 67	23	44	50	69	76	94	107	110	127	162	261	291	121	106	1.70
STEUBENVILLE SITE 01	* 67	26	28	81	131	144	171	248	304	379	490	593	936	299	227	2.23
TOLEDO SITE 01	67	26	20	43	54	58	73	79	83	104	121	130	155	83	75	1.63
UPPER SANDUSKY SITE 01	* 67	21	35	40	48	50	53	58	61	69	82	103	404	79	65	1.70
VAN WERT SITE 01	* 67	24	29	48	52	59	59	65	70	79	129	142	182	81	72	1.60
WARREN SITE 01	* 67	22	38	47	61	78	106	136	142	176	189	223	239	129	111	1.81
WASHINGTON COURT HOUSE SITE 01	* 67	21	43	72	97	104	110	117	122	128	152	182	262	125	117	1.48
WOOSTER SITE 01	* 67	26	24	42	53	55	68	75	85	102	108	152	261	91	78	1.73
YOUNGSTOWN SITE 01	67	26	48	63	89	94	104	111	125	153	175	225	235	127	117	1.54
OKLAHOMA OKLAHOMA CITY SITE 01	67	26	34	48	58	63	67	70	85	99	105	146	310	92	81	1.63
TULSA SITE 01	67	25	22	24	32	38	41	47	52	58	75	80	111	53	48	1.57
OREGON EUGENE SITE 01	67	24	22	45	48	58	62	76	82	87	135	151	211	84	73	1.72
MEDFORD SITE 01	67	26	26	33	49	65	94	100	104	116	154	198	247	104	87	1.87
PORTLAND SITE 01	67	26	15	42	49	60	72	75	86	108	118	149	220	87	76	1.77
PENNSYLVANIA ALLENTOWN SITE 01	67	25	28	59	75	84	87	103	110	117	144	200	311	114	100	1.68
ALTOONA SITE 01	67	25	48	67	73	82	88	100	103	122	149	158	204	108	102	1.42
BETHLEHEM SITE 01	67	25	41	70	85	90	101	114	136	144	170	240	354	137	122	1.62
ERIE SITE 01	67	26	47	52	61	77	86	89	105	118	125	139	193	98	91	1.45
LANCASTER SITE 01	67	24	61	71	77	98	101	107	112	115	152	156	301	118	110	1.45
PHILADELPHIA SITE 01	67	26	68	96	102	110	120	134	142	213	240	287	362	167	150	1.58
SITE 02	67	152	39	81	97	111	128	141	157	179	207	258	495	158	143	1.56
SUMMARY	67	178	39	81	98	111	128	141	157	182	211	263	495	162	146	1.57
PITTSBURGH SITE 01	67	25	68	80	89	98	108	133	161	180	195	229	259	145	134	1.51
READING SITE 01	67	25	13	36	53	58	65	96	111	125	136	188	348	109	87	2.02

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
SCRANTON SITE 01	67	23	81	89	102	130	150	178	225	313	318	422	783	234	194	1.84
WARMINSTER SITE 01	67	23	30	40	65	75	96	103	109	116	121	155	187	99	90	1.61
WEST CHESTER SITE 01	67	[illegible]	19	37	46	48	53	54	65	76	85	105	161	65	59	1.56
YORK SITE 01	67	26	35	55	59	64	71	83	101	131	145	156	204	99	90	1.59
PUERTO RICO BAYAMON SITE 01	67	25	51	55	64	72	77	109	128	165	181	244	362	131	111	1.77
GUAYANILLA SITE 01	67	23	9	29	29	30	35	36	40	42	48	65	78	40	37	1.52
PONCE SITE 01	67	24	32	84	110	126	153	162	194	218	239	243	355	174	156	1.68
RHODE ISLAND EAST PROVIDENCE SITE 01	67	26	17	33	42	43	45	50	69	76	80	94	144	62	56	1.60
PROVIDENCE SITE 01	67	23	39	73	77	81	90	91	105	116	121	136	177	101	96	1.37
SOUTH CAROLINA COLUMBIA SITE 01	67	26	30	51	58	64	71	72	86	90	93	111	169	79	75	1.42
ROCK HILL SITE 02	* 67	26	10	18	35	49	61	65	83	96	109	133	940	134	68	2.82
TENNESSEE CHATTANOOGA SITE 01	67	22	61	72	93	114	130	134	154	162	214	265	293	153	139	1.59
KNOXVILLE SITE 01	67	24	32	63	65	77	85	89	94	115	125	144	178	96	91	1.44
MEMPHIS SITE 01	67	26	26	53	68	78	96	99	103	117	117	127	142	94	88	1.49
NASHVILLE SITE 01	67	25	37	63	65	70	82	101	110	126	128	186	255	109	99	1.59
TEXAS AUSTIN SITE 01	* 67	24	42	62	66	78	87	94	97	125	150	171	180	104	97	1.49
BAYTOWN SITE 01	* 67	31	10	20	26	30	31	32	40	41	46	62	80	38	34	1.57
SITE 02	* 67	29	20	25	47	55	58	62	72	78	78	85	110	62	58	1.55
CLUTE CITY SITE 01	* 67	26	15	35	46	53	67	70	81	90	96	109	138	73	65	1.75
CORPUS CHRISTI SITE 01	* 67	26	27	43	54	59	63	67	75	84	86	101	133	70	67	1.41
SITE 02	* 67	26	20	31	46	52	60	65	74	81	87	108	121	68	62	1.54
SUMMARY	* 67	52	20	41	51	56	61	66	75	81	87	101	133	69	65	1.48
EL PASO SITE 01	* 67	24	60	84	94	109	116	136	147	164	227	302	426	162	145	1.63
FT WORTH SITE 01	* 67	24	47	63	70	75	79	84	86	88	93	100	118	82	80	1.23
GALVESTON SITE 01	* 67	26	25	33	35	39	46	47	50	61	66	90	180	56	50	1.53
HOUSTON SITE 01	67	26	31	61	75	88	102	111	120	130	162	169	189	113	105	1.54
LAREDO SITE 01	* 67	24	43	66	77	107	114	123	132	147	194	201	498	142	124	1.68
LUBBOCK SITE 01	* 67	26	29	36	60	66	84	103	113	162	168	216	341	118	98	1.89

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
MCALLEN SITE 01	* 67	23	16	61	74	81	105	116	126	145	152	172	272	120	105	1.77
ODESSA SITE 01	* 67	27	61	69	89	117	124	129	158	178	264	296	739	184	150	1.82
ORANGE SITE 01	* 67	25	33	43	54	65	69	71	78	93	102	114	152	79	74	1.47
PASADENA SITE 01	* 67	24	34	40	46	48	58	61	65	67	73	94	103	62	59	1.35
PORT ARTHUR SITE 01	* 67	23	23	25	38	45	47	49	51	66	71	77	149	55	50	1.53
SAN ANTONIO SITE 01	67	25	29	46	49	54	61	90	96	99	115	123	141	82	76	1.53
TEXARKANA SITE 01	* 67	24	15	29	36	39	46	49	53	67	75	105	135	57	51	1.68
TEXAS CITY SITE 01	* 67	26	23	30	38	39	43	46	49	53	55	60	61	46	44	1.30
TYLER SITE 01	* 67	25	20	42	46	49	61	67	79	94	100	116	361	87	72	1.80
WACO SITE 01	* 67	26	26	45	65	72	82	85	93	101	111	137	176	89	82	1.51
WICHITA FALLS SITE 01	* 67	26	48	53	69	77	83	93	109	128	169	243	439	127	107	1.75
UTAH SALT LAKE CITY SITE 01	67	25	33	34	44	56	58	71	75	88	102	120	178	77	70	1.57
VIRGINIA HAMPTON SITE 01	67	26	35	45	48	50	52	59	68	87	91	98	116	68	65	1.39
LYNCHBURG SITE 01	67	26	59	65	67	75	79	96	117	133	141	166	170	105	99	1.42
NORFOLK SITE 01	67	25	39	46	56	74	81	91	105	111	119	131	160	92	86	1.49
PORTSMOUTH SITE 01	67	26	25	41	71	80	83	85	88	97	103	121	151	86	81	1.51
RICHMOND SITE 01	67	26	41	55	71	72	80	91	100	113	122	147	[illegible]	97	91	1.45
ROANOKE SITE 01	67	25	42	49	53	60	62	71	80	85	98	120	190	80	74	1.44
WASHINGTON AUBURN SITE 01	* 67	118	9	15	20	28	38	52	60	69	84	103	164	54	43	2.05
BELLEVUE SITE 01	* 67	116	9	21	26	29	35	40	46	53	63	79	106	44	39	1.68
EVERETT SITE 02	* 67	101	20	35	43	51	55	64	69	75	86	97	193	67	61	1.53
RENTON SITE 01	* 67	121	7	17	20	27	36	47	56	67	75	86	128	49	40	2.03
SEATTLE SITE 01	67	26	35	39	48	52	58	59	71	74	78	110	146	68	63	1.43
SITE 02	* 67	110	17	34	43	48	54	58	69	78	84	106	166	66	60	1.57
SITE 03	* 67	112	13	38	55	66	77	92	136	158	186	227	388	123	97	2.06
SITE 05	* 67	112	24	56	65	75	89	103	123	132	147	171	241	109	99	1.60
SITE 06	* 67	110	19	29	35	42	46	52	58	66	75	85	200	58	52	1.56
SITE 07	* 67	116	20	33	38	43	47	51	59	63	72	95	211	60	54	1.55
SITE 08	* 67	91	16	25	30	38	45	51	59	70	97	144	247	69	55	1.93

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
TACOMA SITE 01	* 67	113	5	29	35	42	48	56	65	80	92	114	255	67	56	1.83
VANCOUVER SITE 01	* 67	118	21	30	39	51	60	65	71	81	92	109	184	70	62	1.61
WEST VIRGINIA CHARLESTON SITE 01	67	26	54	55	75	86	107	133	205	241	282	335	522	182	146	1.98
WISCONSIN EAU CLAIRE SITE 01	* 67	24	17	21	27	33	38	44	49	65	69	93	104	50	44	1.70
KENOSHA SITE 01	67	26	29	41	49	50	55	58	75	87	88	101	117	68	64	1.43
MADISON SITE 01	67	26	19	31	38	44	51	55	60	75	87	102	109	61	55	1.56
MILWAUKEE SITE 01	67	26	39	47	84	103	118	135	152	173	184	237	340	142	125	1.71
RACINE SITE 01	* 67	25	38	44	44	61	64	78	78	100	106	162	177	85	76	1.59
SUPERIOR SITE 01	* 67	23	37	50	62	66	79	84	87	96	104	114	172	84	80	1.41
WYOMING CASPER SITE 01	67	26	22	35	36	39	48	51	62	68	83	97	125	60	55	1.55
CHEYENNE SITE 01	67	24	18	21	21	24	25	30	31	33	36	56	93	34	31	1.52

*Data contributed by state or local agency.

Table 2-2. SUSPENDED PARTICULATE MATTER, NONURBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, $\mu g/m^3$													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON NAT PK SITE 01	67	25	3	9	11	14	15	16	21	23	26	33	106	22	17	2.03
ARKANSAS MONTGOMERY COUNTY SITE 01	67	25	13	16	18	25	27	31	32	40	44	68	104	36	31	1.71
CALIFORNIA HUMBOLT COUNTY SITE 01	67	25	22	24	26	29	34	42	46	54	63	71	80	45	41	1.50
COLORADO MESA VERDE NAT PK SITE 01	67	24	2	8	9	11	13	14	17	18	24	36	92	19	15	2.05
DELAWARE KENT COUNTY SITE 01	67	25	21	29	33	38	42	57	64	70	78	85	119	57	52	1.59
IDAHO BUTTE COUNTY SITE 01	67	25	3	3	4	5	7	10	13	15	22	42	70	17	11	2.55
INDIANA MONROE COUNTY SITE 01	67	[illegible]	19	30	33	41	44	46	51	54	66	76	112	51	47	1.48
PARKE COUNTY SITE 01	[illegible]	21	18	22	27	34	43	45	49	51	55	63	84	44	41	1.53
MAINE ACADIA NAT PK SITE 01	67	21	8	12	17	21	22	25	28	33	34	46	103	29	25	1.77
MARYLAND CALVERT COUNTY SITE 01	67	26	12	22	27	30	35	38	41	45	47	68	70	39	36	1.49
MISSISSIPPI JACKSON COUNTY SITE 01	67	25	5	20	23	25	29	31	37	42	50	53	65	35	32	1.70
MISSOURI SHANNON COUNTY SITE 01	67	24	14	17	18	22	25	28	36	42	53	53	67	34	31	1.59
MONTANA GLACIER NAT PK SITE 01	67	25	4	4	5	6	8	8	13	20	31	52	70	18	12	2.46
NEBRASKA THOMAS COUNTY SITE 01	67	26	9	9	12	13	17	19	23	29	30	37	53	22	19	1.68
NEVADA WHITE PINE COUNTY SITE 01	67	24	1	1	3	4	4	6	10	11	12	13	47	9	6	2.56
NEW HAMPSHIRE COOS COUNTY SITE 01	67	26	8	10	15	16	19	20	24	28	30	40	56	24	21	1.65
NEW MEXICO RIO ARRIBA COUNTY SITE 01	67	23	8	13	14	14	19	20	22	29	40	56	144	30	23	1.97
NEW YORK JEFFERSON COUNTY SITE 01	67	26	7	9	13	15	21	23	30	38	48	77	102	33	25	2.09
NORTH CAROLINA CAPE HATTERAS SITE 01	67	23	20	23	29	35	42	44	54	67	113	121	164	61	50	1.85
NORTH DAKOTA WARD COUNTY SITE 01	67	29	6	13	14	20	25	28	34	49	61	63	75	34	28	1.92
OKLAHOMA CHEROKEE COUNTY SITE 01	67	25	17	18	26	31	36	40	40	46	50	74	118	44	39	1.62
OREGON CURRY COUNTY SITE 01	67	25	23	25	27	31	42	47	57	65	69	82	96	51	46	1.57

*Data contributed by state or local agency.

Table 2-2 (continued). SUSPENDED PARTICULATE MATTER, NONURBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, µg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
PENNSYLVANIA CLARION COUNTY SITE 01	67	24	15	23	25	31	33	47	54	68	85	117	129	56	46	1.89
RHODE ISLAND WASHINGTON COUNTY SITE 01	67	24	19	21	25	32	36	36	41	45	63	94	151	49	41	1.73
SOUTH CAROLINA RICHLAND COUNTY SITE 01	67	25	11	15	17	21	27	29	31	37	39	62	287	41	30	1.92
SOUTH DAKOTA BLACK HILLS NAT FOR SITE 01	67	25	8	8	10	15	15	23	30	36	49	62	86	31	23	2.12
TEXAS CHAMBERS COUNTY SITE 01	67	27	18	22	27	30	33	39	42	45	52	61	78	40	37	1.47
SITE 02	67	23	14	23	33	37	42	43	49	53	66	72	99	47	43	1.57
MATAGORDA COUNTY SITE 01	67	25	12	18	24	26	28	31	34	36	41	53	67	34	31	1.49
VERMONT ORANGE COUNTY SITE 01	67	26	20	23	26	30	34	35	43	55	61	72	140	48	41	1.67
VIRGINIA SHENANDOAH NAT PK SITE 01	67	26	12	17	22	23	26	26	29	30	31	41	57	29	27	1.45
WASHINGTON KING COUNTY SITE 01	67	114	1	4	5	7	8	13	23	28	33	48	76	21	13	2.70
WISCONSIN DOOR COUNTY SITE 01	67	21	5	9	10	11	14	15	21	26	30	46	62	22	17	1.98
WYOMING YELLOWSTONE PARK SITE 01	67	26	0	2	5	5	5	6	9	14	20	27	38	11	8	2.48

*Data contributed by state or local agency.

SECTION 3.

URBAN AND NONURBAN BENZENE-SOLUBLE ORGANIC CONSTITUENTS

BLANK PAGE

Table 3-1. BENZENE-SOLUBLE ORGANIC CONSTITUENTS, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
ALABAMA						
HUNTSVILLE SITE 01	67	5.1	3.0	3.9	9.1	5.3
MONTGOMERY SITE 01	67	10.9	4.2	5.7	12.8	8.4
ALASKA						
ANCHORAGE SITE 03	67	6.9	7.9	3.3	4.8	5.7
FAIRBANKS SITE 01	67	11.1	7.3	13.2	17.3	12.2
ARIZONA						
MARICOPA COUNTY SITE 01	67	2.3	1.4	1.1	3.5	2.1
PHOENIX SITE 02	67	17.7	5.7	3.6	12.2	9.8
TUCSON SITE 01	67	5.9	3.3	2.1	5.1	4.1
ARKANSAS						
LITTLE ROCK SITE 01	67	7.9	4.4	5.6	10.1	6.9
CALIFORNIA						
GLENDALE SITE 01	67	10.1	8.1	8.7	18.9	11.5
LONG BEACH SITE 01	67	19.4	8.0	5.8	20.0	12.5
LOS ANGELES SITE 01	67	17.0	6.6	6.1	18.9	10.9
OAKLAND SITE 01	67	13.4	5.7	4.1	9.9	8.3
SAN DIEGO SITE 01	67	10.1	3.3	4.1	8.9	6.6
SAN FRANCISCO SITE 01	67	10.1	3.1	2.5	10.5	6.6
COLORADO						
DENVER SITE 01	67	9.7	3.9	6.0	14.3	8.5
CONNECTICUT						
HARTFORD SITE 01	67	7.8	7.6	4.1	5.3	6.2
NEW HAVEN SITE 01	67	9.8	7.2	3.8	5.8	6.7
DELAWARE						
NEWARK SITE 01	67	5.4	2.8	2.5	5.2	4.0
WILMINGTON SITE 01	67	12.4	6.5	7.4	9.7	9.0
DC						
WASHINGTON SITE 01	67	4.8	3.9	5.6	7.4	5.4
GEORGIA						
ATLANTA SITE 01	67	10.3	5.5	5.8	12.1	8.4
HAWAII						
HONOLULU SITE 01	67	2.6	2.7	1.9	2.7	2.5
IDAHO						
BOISE SITE 01	67	6.8	3.8	5.8	6.4	5.7
ILLINOIS						
CHICAGO SITE 01	67	6.1	4.9	4.6	7.2	5.7
EAST ST LOUIS SITE 01	67	8.3	6.6	9.0	11.6	8.9
ROCKFORD SITE 01	67	4.2	4.4	5.3	3.2	4.3
SPRINGFIELD SITE 01	67	3.0	6.5	4.4	3.5	4.4
INDIANA						
EAST CHICAGO SITE 01	67	6.4	6.2	5.8	5.8	6.0
HAMMOND SITE 01	67	5.0	6.2	6.4	4.9	5.6
INDIANAPOLIS SITE 01	67	8.8	7.2	8.0	9.5	8.4
MUNCIE SITE 01	67	4.5	7.4	4.7	4.6	5.3
SOUTH BEND SITE 01	67	4.6	5.4	5.8	6.7	5.6
TERRE HAUTE SITE 01	67	7.1	6.0	4.4	6.0	5.9
IOWA						
CEDAR RAPIDS SITE 01	67	4.2	4.3	4.1	6.5	4.8
DES MOINES SITE 01	67	5.3	3.2	4.7	4.2	4.4
DUBUQUE SITE 01	67	6.1	5.3	5.3	6.4	5.8
KANSAS						
TOPEKA SITE 01	67	3.0	2.5	3.6	2.0	2.8
WICHITA SITE 01	67	3.0	6.0	2.9	3.4	3.8
KENTUCKY						
COVINGTON SITE 01	67	4.9	5.0	4.5	6.7	5.3
LEXINGTON SITE 01	67	4.0	4.3	3.6	4.1	4.0
LOUISVILLE SITE 01	67	6.7	6.3	6.2	5.1	6.1
LOUISIANA						
NEW ORLEANS SITE 02	67	6.3	4.2	7.4	8.6	6.6
MARYLAND						
BALTIMORE SITE 01	67	12.5	8.8	5.7	12.6	9.9
MICHIGAN						
DETROIT SITE 01	67	6.4	5.5	6.0	9.2	6.8
FLINT SITE 01	67	6.1	4.4	3.9	4.3	4.7
GRAND RAPIDS SITE 01	67	4.6	4.3	4.4	5.8	4.8
MINNESOTA						
MINNEAPOLIS SITE 01	67	5.8	5.3	5.7	4.8	5.4
ST PAUL SITE 01	67	7.2	4.2	6.9	8.9	6.8
MISSOURI						
KANSAS CITY SITE 01	67	7.1	7.3	10.9	7.9	8.3
ST LOUIS SITE 01	67	6.9	4.6	5.6	7.9	6.3
MONTANA						
HELENA SITE 01	67	3.7	2.0	2.8	4.9	3.4
NEBRASKA						
OMAHA SITE 01	67	6.6	5.3	4.8	7.9	6.2
NEVADA						
LAS VEGAS SITE 01	67	7.4	3.0	3.4	6.5	5.1
RENO SITE 01	67	20.6	4.4	7.2	14.4	11.7

Table 3-1 (continued). BENZENE-SOLUBLE ORGANIC CONSTITUENTS, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
NEW HAMPSHIRE CONCORD SITE 01	67	5.6	5.0	2.7	5.1	4.6
NEW JERSEY BAYONNE SITE 01	67	11.1	5.8	9.0	6.5	8.1
BURLINGTON COUNTY SITE 02	67	7.5	5.7	4.8	6.8	6.2
GLASSBORO SITE 01	67	4.4	2.9	2.9	3.5	3.4
JERSEY CITY SITE 01	67	8.4	8.6	5.9	10.1	8.3
NEWARK SITE 01	67	9.8	6.9	6.3	7.8	7.7
PATERSON SITE 01	67	9.0	5.8	4.7	7.1	6.6
PERTH AMBOY SITE 01	67	8.4	4.8	7.0	9.4	7.4
NEW MEXICO ALBUQUERQUE SITE 01	67	10.0	4.6	3.5	11.1	7.3
NEW YORK NEW YORK CITY SITE 01	67	11.2	11.2	11.9	14.4	12.2
NORTH CAROLINA CHARLOTTE SITE 01	67	10.0	6.2	6.7	16.3	9.8
OHIO AKRON SITE 01	67	8.1	7.2	7.7	6.4	7.4
CINCINNATI SITE 01	67	4.7	4.8	6.0	7.5	5.8
CLEVELAND SITE 01	67	5.9	6.4	4.9	6.2	5.9
COLUMBUS SITE 01	67	4.6	4.7	4.9	5.1	4.8
DAYTON SITE 01	67	5.4	4.4	5.4	8.5	5.9
TOLEDO SITE 01	67	4.9	4.3	4.3	3.1	4.2
YOUNGSTOWN SITE 01	67	9.1	6.5	5.8	8.1	7.4
OKLAHOMA OKLAHOMA CITY SITE 01	67	4.9	4.7	4.8	3.7	4.5
TULSA SITE 01	67	5.0	2.6	2.5	1.9	3.0
OREGON EUGENE SITE 01	67	12.8	5.6	9.8	11.0	9.8
MEDFORD SITE 01	67	22.6	6.1	9.6	33.7	18.0
PORTLAND SITE 01	67	5.0	5.3	5.8	10.7	6.6
PENNSYLVANIA ALLENTOWN SITE 01	67	6.8	6.1	4.5	4.3	5.4
ALTOONA SITE 01	67	12.5	8.7	8.9	23.9	13.5
BETHLEHEM SITE 01	67	8.8	5.6	5.4	3.5	5.8
ERIE SITE 01	67	5.2	5.1	5.0	6.1	5.4

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
PENNSYLVANIA PHILADELPHIA SITE 01	67	14.6	9.4	7.3	13.1	11.1
PITTSBURGH SITE 01	67	7.3	7.6	6.0	10.2	7.8
READING SITE 01	67	10.5	4.6	3.5	7.2	6.5
SCRANTON SITE 01	67	34.4	13.6	9.1	21.6	19.7
WARMINSTER SITE 01	67	5.4	3.7	6.0	9.0	6.0
WEST CHESTER SITE 01	67	8.8	2.6	2.3	3.9	4.4
YORK SITE 01	67	7.8	4.2	4.1	7.4	5.9
PUERTO RICO BAYAMON SITE 01	67	2.9	1.7	2.0	3.1	2.4
GUAYANILLA SITE 01	67	1.9	1.3	1.1	2.2	1.6
PONCE SITE 01	67	7.6	4.3	3.1	4.3	4.8
SAN JUAN SITE 01	67	4.2	2.1	6.3	5.0	4.4
RHODE ISLAND EAST PROVIDENCE SITE 01	67	6.5	5.6	4.3	5.9	5.6
PROVIDENCE SITE 01	67	10.3	7.8	6.1	8.4	8.2
SOUTH CAROLINA COLUMBIA SITE 01	67	9.0	4.3	5.9	12.0	7.8
TENNESSEE CHATTANOOGA SITE 01	67	8.7	5.6	10.6	24.5	12.4
KNOXVILLE SITE 01	67	7.5	7.3	6.4	11.9	8.3
MEMPHIS SITE 01	67	5.5	4.8	5.0	8.6	6.0
NASHVILLE SITE 01	67	7.0	7.8	5.7	13.1	8.4
TEXAS HOUSTON SITE 01	67	6.8	4.5	6.9	7.5	6.4
PASADENA SITE 01	67	5.3	2.3	4.6	2.9	3.8
SAN ANTONIO SITE 01	67	9.9	2.7	3.6	5.5	5.4
UTAH SALT LAKE CITY SITE 01	67	4.5	2.0	2.0	2.8	2.8
VIRGINIA HAMPTON SITE 01	67	7.3	2.7	2.7	7.1	5.0
LYNCHBURG SITE 01	67	11.1	5.6	6.6	13.5	9.2
NORFOLK SITE 01	67	7.5	3.8	4.3	9.2	6.2
PORTSMOUTH SITE 01	67	7.6	4.5	3.4	7.3	5.7
RICHMOND SITE 01	67	7.4	4.0	4.4	8.6	6.1
ROANOKE SITE 01	67	9.7	4.8	5.8	9.9	7.5

Table 3-1 (continued). BENZENE-SOLUBLE ORGANIC CONSTITUENTS, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
WASHINGTON						
SEATTLE						
SITE 01	67	6.2	5.1	5.4	8.5	6.3
WEST VIRGINIA						
CHARLESTON						
SITE 01	67	4.2	4.4	4.5	6.8	5.0
WISCONSIN						
KENOSHA						
SITE 01	67	4.9	3.2	3.7	4.1	4.0
MADISON						
SITE 01	67	5.1	3.2	4.4	4.7	4.4
MILWAUKEE						
SITE 01	67	6.2	4.9	7.4	5.6	6.0
WYOMING						
CASPER						
SITE 01	67	1.8	2.8	3.4	2.8	2.7
CHEYENNE						
SITE 01	67	2.2	2.2	2.3	2.8	2.4

Table 3-2. BENZENE-SOLUBLE ORGANIC CONSTITUENTS, FREQUENCY DISTRIBUTIONS FROM CONTRIBUTING NETWORKS

LOCATION	Year	No. of samples	Concentration, μg/m³														Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
COLORADO ADAMS COUNTY SITE 01	67	110	.8	2.2	3.3	3.8	4.6	5.7	7.0	7.9	9.2	14.5	35.1	7.4	5.7	2.05
ARVADA SITE 01	67	104	1.5	3.9	5.3	6.3	6.9	7.8	8.9	10.4	12.5	16.5	24.0	9.0	7.8	1.72
AURORA SITE 01	67	111	1.2	2.9	3.8	4.6	5.1	5.8	6.8	8.3	9.2	11.0	21.0	6.7	5.8	1.69
BOULDER SITE 01	67	89	.5	2.4	2.8	3.3	3.7	4.3	4.8	5.3	6.4	8.1	17.3	4.8	4.3	1.67
SITE 02	67	94	.4	1.7	2.2	2.8	3.1	3.5	3.7	4.3	5.2	6.5	11.2	3.8	3.3	1.77
BROOMFIELD SITE 01	67	90	.1	1.2	1.8	2.0	2.5	2.8	3.3	3.9	5.8	6.7	16.9	3.7	2.8	2.13
COLORADO SPRINGS SITE 03	67	111	.8	2.3	3.3	3.5	4.0	4.4	5.2	6.6	7.4	9.9	14.1	5.3	4.7	1.70
DENVER SITE 01	67	106	2.5	3.9	5.1	6.2	6.9	7.4	8.2	10.1	11.8	19.0	31.1	9.4	8.0	1.73
SITE 03	67	109	2.0	6.0	8.3	9.3	10.1	11.4	12.9	15.7	18.2	22.3	36.5	13.2	11.7	1.66
SITE 04	67	119	1.0	3.4	4.2	5.7	7.2	7.9	8.9	10.9	15.0	18.6	38.2	9.8	7.9	1.98
SITE 05	67	103	1.8	3.2	4.3	5.1	6.1	6.8	7.4	8.7	10.1	14.1	32.7	8.0	6.8	1.77
SITE 06	67	107	.9	2.4	3.0	3.4	4.1	5.3	6.3	7.1	8.9	12.2	19.7	6.2	5.2	1.85
SITE 07	67	111	1.5	3.7	4.3	5.1	5.6	6.0	6.7	7.7	9.1	10.9	20.8	6.9	6.2	1.59
DURANGO SITE 03	67	110	1.3	2.1	2.5	2.9	3.3	3.8	4.4	5.1	6.0	8.5	23.8	4.7	4.0	1.74
ENGLEWOOD SITE 01	67	111	1.8	3.6	4.6	5.2	6.1	6.6	8.0	9.8	11.7	15.4	32.6	8.5	7.2	1.77
FORT COLLINS SITE 01	67	86	.3	1.7	2.2	3.2	3.6	4.4	5.1	5.7	6.8	8.3	13.7	4.7	3.9	1.98
GLENWOOD SPRINGS SITE 01	67	99	1.6	2.4	3.4	4.1	4.6	5.2	5.7	6.2	7.5	9.2	16.9	5.6	5.0	1.64
GOLDEN SITE 01	67	106	1.3	2.6	3.2	3.6	3.9	4.5	5.0	5.6	6.6	8.0	20.4	5.1	4.5	1.64
GRAND JUNCTION SITE 03	67	82	.8	3.2	3.9	4.3	4.8	6.0	6.8	7.7	9.9	12.9	16.1	6.7	5.8	1.77
GREELEY SITE 01	67	114	.9	2.2	2.8	3.4	4.0	4.8	5.9	7.7	8.8	11.5	17.0	6.0	5.0	1.85
SITE 02	67	117	.2	2.1	2.5	3.0	3.5	3.9	4.6	5.5	6.8	7.9	13.7	4.6	4.0	1.77
LAKEWOOD SITE 01	67	116	.8	2.1	2.8	3.4	3.9	4.2	4.7	5.4	5.9	8.1	12.5	4.7	4.1	1.67
LONGMONT SITE 01	67	92	1.2	2.4	2.7	3.4	4.1	4.7	5.9	7.5	9.0	11.2	26.6	6.6	5.1	2.01
MANITOU SPRINGS SITE 01	67	107	1.0	2.5	3.2	3.7	4.1	4.7	5.0	5.5	6.1	7.1	10.1	4.7	4.4	1.49
MONTROSE SITE 01	67	106	1.1	2.8	3.7	4.2	4.8	5.3	6.0	7.0	8.0	8.7	17.7	5.8	5.3	1.60
PUEBLO SITE 01	67	107	1.8	4.2	5.0	5.5	6.0	6.7	8.3	9.8	11.4	12.9	21.9	8.1	7.3	1.61
SITE 02	67	106	.9	2.6	3.4	3.8	4.2	4.5	4.9	6.0	7.1	9.3	15.5	5.4	4.8	1.67
SITE 03	67	104	1.4	4.8	6.0	6.9	7.8	8.6	9.3	9.9	12.7	16.2	29.7	9.5	8.4	1.65
SITE 04	67	109	.8	2.1	2.6	2.9	3.3	3.9	4.3	5.4	6.6	8.4	13.2	4.6	4.0	1.70
SITE 05	67	112	1.2	2.4	3.1	3.5	3.9	4.4	4.8	5.2	6.3	9.0	12.9	5.0	4.4	1.62
SITE 06	67	112	.9	3.3	3.6	4.4	4.7	5.5	6.0	7.6	8.6	10.0	18.0	6.3	5.6	1.66
STERLING SITE 01	67	92	.9	2.1	2.7	3.7	4.0	4.5	5.3	6.2	8.0	11.5	17.6	5.7	4.6	1.95
TRINIDAD SITE 01	67	115	.4	1.9	2.6	3.1	3.5	3.9	4.2	4.7	5.3	6.2	13.0	4.1	3.6	1.75

*Data contributed by state or local agency.

Table 3-2 (continued). BENZENE-SOLUBLE ORGANIC CONSTITUENTS, FREQUENCY DISTRIBUTIONS FROM CONTRIBUTING NETWORKS

LOCATION	Year	No. of samples	Concentration, µg/m3													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MASSACHUSETTS BOSTON SITE 01	67	24	2.3	4.0	4.4	5.3	5.7	6.5	7.8	8.8	9.7	10.5	16.9	7.2	6.6	1.55
BROCKTON SITE 02	67	22	3.0	3.4	4.0	5.9	6.0	6.7	8.1	9.9	11.1	12.4	22.0	7.9	6.9	1.70
LAWRENCE SITE 01	67	26	2.0	3.4	3.9	4.6	5.3	5.9	6.7	8.6	9.3	15.3	24.2	7.7	6.4	1.80
NEW BEDFORD SITE 01	67	24	2.6	3.0	3.8	4.6	5.5	6.0	7.8	8.0	9.7	10.0	16.0	6.8	6.1	1.63
SPRINGFIELD SITE 01	67	24	2.0	2.0	3.0	3.8	4.3	6.3	9.0	10.1	13.1	15.5	17.4	7.7	6.1	2.04
NEW YORK ALBANY SITE 01	67	42	1.3	2.2	2.8	3.2	3.6	4.0	4.3	4.6	5.9	7.8	12.5	4.4	4.0	1.61
BINGHAMTON SITE 02	67	48	2.0	2.8	3.1	3.5	4.1	4.3	5.1	5.6	7.5	10.4	22.4	5.7	4.9	1.69
BUFFALO SITE 01	67	72	1.6	3.5	4.1	5.4	5.8	6.3	7.5	8.8	11.1	14.5	28.9	8.1	6.8	1.77
ELMIRA SITE 01	67	38	2.1	2.4	3.6	3.9	4.3	4.5	4.8	5.4	6.1	7.1	16.5	5.1	4.6	1.51
NEW ROCHELLE SITE 02	67	46	2.8	5.4	5.7	6.7	7.3	8.2	9.5	12.1	13.7	17.4	24.6	10.0	8.9	1.62
ROCHESTER SITE 01	67	48	2.3	3.8	4.9	5.3	5.7	5.8	6.4	7.1	8.3	10.3	16.7	6.7	6.2	1.49
SCHENECTADY SITE 01	67	46	1.9	2.9	3.7	4.4	4.8	5.4	5.8	6.4	7.1	9.6	32.3	6.2	5.4	1.63
TROY SITE 02	67	42	2.3	2.8	3.1	3.4	3.7	3.9	4.3	5.1	5.6	6.4	9.4	4.4	4.2	1.40
UTICA SITE 01	67	50	2.3	2.9	4.3	5.3	5.8	6.7	7.1	7.9	9.0	10.2	14.5	6.9	6.3	1.54
OHIO ADAMS COUNTY SITE 01	67	25	1.9	2.6	2.7	3.7	3.8	4.1	4.4	5.9	7.0	8.5	13.3	5.1	4.5	1.66
CANTON SITE 01	67	23	1.0	3.2	4.4	5.7	6.7	7.1	7.6	8.4	9.4	10.9	12.6	7.1	6.3	1.76
EAST LIVERPOOL SITE 01	67	22	3.6	4.5	5.1	6.0	6.5	7.3	11.3	13.1	14.5	17.2	20.5	10.0	8.7	1.72
FRANKLIN SITE 01	67	25	1.8	2.8	3.5	3.9	4.1	4.7	7.2	7.7	8.6	9.1	11.6	5.9	5.2	1.67
GREENVILLE SITE 01	67	26	1.3	2.9	3.9	4.0	4.8	5.2	5.8	7.1	7.5	11.4	13.7	6.1	5.3	1.69
HAMILTON SITE 01	67	25	2.8	3.4	4.1	5.0	5.3	6.5	7.2	7.8	8.2	10.4	18.4	6.9	6.2	1.56
LORAIN SITE 01	67	26	1.5	2.3	3.3	4.0	4.2	4.6	6.0	7.1	8.2	8.7	12.7	5.6	5.0	1.68
MARYSVILLE SITE 01	67	26	2.3	3.2	3.8	4.5	5.4	6.6	6.9	7.3	8.8	11.6	13.0	6.6	5.9	1.58
NAPOLEON SITE 01	67	24	1.5	2.7	2.8	4.2	4.5	4.7	5.2	5.6	7.0	9.9	13.3	5.4	4.8	1.66
NEWARK SITE 01	67	25	2.5	4.3	5.0	6.8	8.5	9.6	10.1	11.1	11.7	14.3	19.6	9.3	8.4	1.65
PAINESVILLE SITE 01	67	22	.1	3.4	4.1	4.4	5.5	6.3	7.9	8.0	8.5	9.0	14.0	6.4	5.1	2.66
PORTSMOUTH SITE 01	67	23	2.9	3.3	3.6	5.3	6.3	8.3	9.9	13.4	14.4	19.1	24.4	9.8	8.1	1.91

*Data contributed by state or local agency.

Table 3-2 (continued). BENZENE-SOLUBLE ORGANIC CONSTITUENTS, FREQUENCY DISTRIBUTIONS FROM CONTRIBUTING NETWORKS

LOCATION	Year	No. of samples	Concentration, µg/m3													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
STEUBENVILLE SITE 01	67	26	3.8	6.8	7.6	8.2	9.7	11.6	16.1	20.4	21.3	30.5	38.7	15.7	13.1	1.86
UPPER SANDUSKY SITE 01	67	21	1.8	2.1	2.4	2.6	3.3	3.6	3.8	4.6	5.0	6.5	7.7	3.9	3.6	1.55
VAN WERT SITE 01	67	24	1.6	2.6	3.2	4.0	4.6	5.0	6.2	7.1	7.5	9.4	10.4	5.6	5.0	1.62
WARREN SITE 01	67	22	3.1	4.0	5.9	7.7	9.0	9.2	9.8	11.0	18.5	24.4	26.9	11.7	9.8	1.85
WASHINGTON COURT HOUSE SITE 01	67	21	2.8	4.1	4.8	5.2	5.8	6.1	7.9	9.3	9.8	11.9	13.8	7.4	6.8	1.55
WOOSTER SITE 01	67	26	2.0	3.2	3.5	3.6	4.6	5.0	6.3	7.4	9.7	15.3	18.3	6.8	5.8	1.77
TEXAS AUSTIN SITE 01	67	24	2.5	3.2	3.3	3.4	4.6	4.8	5.5	6.2	7.3	9.3	14.4	5.5	5.0	1.56
BAYTOWN SITE 01	67	31	.6	1.3	1.5	1.8	1.9	2.4	2.8	3.1	3.5	4.1	5.7	2.6	2.3	1.65
SITE 02	67	28	1.0	2.1	2.6	2.9	3.2	3.2	3.6	4.1	5.2	6.0	9.4	3.9	3.5	1.64
CLUTE CITY SITE 01	67	26	1.2	1.4	1.6	1.6	1.7	2.2	3.1	3.9	4.9	6.1	10.2	3.2	2.6	1.86
CORPUS CHRISTI SITE 01	67	26	.9	2.4	2.6	2.7	2.9	3.5	4.0	4.6	4.9	8.0	11.1	4.2	3.7	1.69
SITE 02	67	26	1.1	1.7	1.8	1.8	2.4	2.6	3.2	3.8	4.1	5.[illegible]	6.5	3.1	2.8	1.59
EL PASO SITE 01	67	24	2.1	3.2	4.9	5.3	7.0	7.4	9.0	9.6	10.9	12.0	26.6	8.4	7.2	1.79
FT WORTH SITE 01	67	24	3.0	3.6	4.0	4.3	4.7	5.4	6.4	6.8	8.8	10.3	15.5	6.3	5.8	1.51
GALVESTON SITE 01	67	26	1.1	1.4	1.6	1.8	2.2	2.6	2.8	3.5	3.8	5.4	11.7	3.1	2.7	1.73
LAREDO SITE 01	67	24	.7	2.8	3.3	3.6	4.0	4.4	5.1	6.3	7.9	10.6	36.5	6.4	.4	1.00
LUBBOCK SITE 01	67	26	.8	1.5	2.9	3.4	3.7	3.7	4.5	5.5	6.7	8.3	9.5	4.6	.4	1.00
MCALLEN SITE 01	67	23	2.7	3.6	4.1	4.4	4.8	4.9	5.6	6.4	7.1	10.5	21.9	6.6	.4	1.00
ODESSA SITE 01	67	27	.7	3.2	3.8	4.5	4.7	5.5	6.7	7.6	8.2	10.3	13.3	6.1	.4	1.00
ORANGE SITE 01	67	25	2.0	3.0	3.7	4.2	4.6	5.3	5.4	6.7	7.0	8.6	9.3	5.5	.4	1.00
PORT ARTHUR SITE 01	67	23	1.4	1.7	2.0	2.2	2.9	3.2	3.4	4.1	4.5	6.0	14.8	3.8	.5	1.00
TEXARKANA SITE 01	67	24	2.1	3.0	3.2	3.9	4.3	4.8	5.3	6.8	7.7	11.2	12.6	5.7	.4	1.00
TEXAS CITY SITE 01	67	26	1.5	1.8	1.9	2.0	2.3	3.0	3.3	4.1	6.3	7.4	9.8	3.7	.5	1.00
TYLER SITE 01	67	25	1.5	3.4	4.1	4.6	5.1	6.4	6.8	8.2	8.6	9.9	13.2	6.6	.4	1.00
WACO SITE 01	67	26	2.1	3.1	3.4	3.6	4.1	4.4	6.2	6.6	7.8	13.6	17.8	6.2	.4	1.00
WICHITA FALLS SITE 01	67	26	2.4	4.6	3.4	3.9	4.4	5.0	5.7	7.0	7.9	9.5	13.5	5.8	.4	1.00
CHAMBERS COUNTY SITE 01	67	27	.1	.4	.9	1.3	1.4	1.8	2.8	3.7	4.0	5.0	8.4	2.6	1.8	2.71
SITE 02	67	23	.6	1.1	1.5	1.7	1.9	2.3	3.3	4.5	5.4	6.1	8.3	3.3	2.6	2.12

*Data contributed by state or local agency.

Table 3-3. BENZENE-SOLUBLE ORGANIC CONSTITUENTS, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
ARIZONA GRAND CANYON NAT PK SITE 01	67	1.7	1.2	2.7	1.5	1.8
ARKANSAS MONTGOMERY COUNTY SITE 01	67	2.1	1.7	2.1	3.3	2.3
CALIFORNIA HUMBOLDT COUNTY SITE 01	67	2.2	1.1	3.1	2.8	2.3
COLORADO MESA VERDE NAT PK SITE 01	67	.5	.7	1.2	.9	.8
DELAWARE KENT COUNTY SITE 01	67	3.8	2.1	2.6	2.1	2.7
IDAHO BUTTE COUNTY SITE 01	67	1.0	.9	1.4	1.5	1.2
INDIANA MONROE COUNTY SITE 01	67	1.7	1.5	2.0	2.0	1.8
PARKE COUNTY SITE 01	67	1.6	1.3	1.9	1.5	1.6
MAINE ACADIA NATIONAL PARK SITE 01	67	1.0	1.2	3.2	.7	1.5
MARYLAND CALVERT COUNTY SITE 01	67	3.5	1.7	2.6	2.6	2.6
MISSISSIPPI JACKSON COUNTY SITE 01	67	5.7	1.4	2.4	3.6	3.3
MISSOURI SHANNON COUNTY SITE 01	67	2.0	1.8	1.5	1.4	1.7
MONTANA GLACIER NATIONAL PARK SITE 01	67	1.0	.7	2.2	.9	1.2
NEBRASKA THOMAS COUNTY SITE 01	67	1.0	.9	1.4	1.6	1.2
NEVADA WHITE PINE COUNTY SITE 01	67	.5	.6	.8	.3	.6

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
NEW HAMPSHIRE COOS COUNTY SITE 01	67	1.8	1.2	1.8	1.4	1.6
NEW MEXICO RIO ARRIBA COUNTY SITE 01	67	1.3	1.1	1.4	1.4	1.3
NEW YORK JEFFERSON COUNTY SITE 01	67	1.5	1.4	1.5	1.3	1.4
NORTH CAROLINA CAPE HATTERAS NAT SEA SITE 01	67	1.5	.7	1.3	1.5	1.3
OKLAHOMA CHEROKEE COUNTY SITE 01	67	3.0	1.8	1.7	1.6	2.0
OREGON CURRY COUNTY SITE 01	67	1.0	.5	1.3	.9	.9
PENNSYLVANIA CLARION COUNTY SITE 01	67	2.9	2.0	7.2	.5	3.2
RHODE ISLAND WASHINGTON COUNTY SITE 01	67	4.6	2.6	2.3	3.8	3.3
SOUTH CAROLINA RICHLAND COUNTY SITE 01	67	2.7	1.4	1.4	3.3	2.2
SOUTH DAKOTA BLACK HILLS NAT FOREST SITE 01	67	.8	.6	1.3	.9	.9
TEXAS MATAGORDA COUNTY SITE 01	67	1.3	.8	1.8	1.2	1.3
VERMONT ORANGE COUNTY SITE 01	67	3.3	2.4	2.6	2.2	2.6
VIRGINIA SHENANDOAH NATIONAL PK SITE 01	67	1.6	1.2	1.7	1.6	1.5
WISCONSIN DOOR COUNTY SITE 01	67	.7	1.1	1.5	.7	1.0
WYOMING YELLOWSTONE PARK SITE 01	67	1.0	.6	1.1	.8	.9

Table 3-4. BENZO(a)PYRENE, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ng/m³				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
ALABAMA						
HUNTSVILLE SITE 01	67	3.11	1.00	.34	7.90	3.09
MONTGOMERY SITE 01	67	3.68	.87	.67	3.90	2.28
ALASKA						
ANCHORAGE SITE 03	67	3.04	2.42	.57	1.62	1.91
FAIRBANKS SITE 01	67	5.72	1.82	2.54	9.82	4.98
ARIZONA						
MARICOPA COUNTY SITE 01	67	.15	.09	.18	.27	.17
PHOENIX SITE 02	67	3.54	.54	.42	5.45	2.49
TUCSON SITE 01	67	1.24	.43	.35	.78	.70
ARKANSAS						
LITTLE ROCK SITE 01	67	.99	.78	.63	2.13	1.13
CALIFORNIA						
GLENDALE SITE 01	67	1.85	.52	.25	1.45	1.02
LONG BEACH SITE 01	67	3.18	.59	.42	3.48	1.92
LOS ANGELES SITE 01	67	2.59	.70	.36	1.60	1.31
OAKLAND SITE 01	67	2.55	.88	.95	2.38	1.69
SAN DIEGO SITE 01	67	2.12	.53	.44	3.11	1.55
SAN FRANCISCO SITE 01	67	2.53	.57	.40	2.60	1.53
COLORADO						
DENVER SITE 01	67	3.05	.99	1.00	4.44	2.37
CONNECTICUT						
HARTFORD SITE 01	67	3.40	2.77	.75	1.43	2.09
NEW HAVEN SITE 01	67	3.14	2.32	.70	1.58	1.94
DELAWARE						
NEWARK SITE 01	67	2.37	.66	.44	1.92	1.35
WILMINGTON SITE 01	67	5.06	1.66	1.10	3.11	2.73
DC						
WASHINGTON SITE 01	67	2.48	1.11	1.47	2.47	1.88
GEORGIA						
ATLANTA SITE 01	67	4.79	1.08	.60	5.34	2.95
HAWAII						
HONOLULU SITE 01	67	.33	.62	.34	.52	.45
IDAHO						
BOISE SITE 01	67	3.88	.82	.78	3.90	2.35
ILLINOIS						
CHICAGO SITE 01	67	2.64	2.08	2.25	5.00	2.99
EAST ST LOUIS SITE 01	67	6.35	1.65	2.10	9.61	4.93
ROCKFORD SITE 01	67	1.92	.81	1.45	1.25	1.36
SPRINGFIELD SITE 01	67	1.42	1.69	1.14	1.29	1.39
INDIANA						
EAST CHICAGO SITE 01	67	6.04	9.04	4.48	3.30	5.72
HAMMOND SITE 01	67	2.50	3.93	1.92	1.63	2.50
INDIANAPOLIS SITE 01	67	7.99	3.02	2.93	8.73	5.67
MUNCIE SITE 01	67	1.82	1.59	.97	1.94	1.58
SOUTH BEND SITE 01	67	3.49	1.59	1.75	3.43	2.57
TERRE HAUTE SITE 01	67	5.41	2.72	2.52	4.07	3.68
IOWA						
CEDAR RAPIDS SITE 01	67	.94	.62	.37	1.29	.81
DES MOINES SITE 01	67	7.96	.67	.69	1.45	2.69
DUBUQUE SITE 01	67	3.44	1.01	.84	2.19	1.87
KANSAS						
TOPEKA SITE 01	67	.75	.40	.49	.28	.48
WICHITA SITE 01	67	.70	.53	.32	.47	.51
KENTUCKY						
COVINGTON SITE 01	67	2.06	.77	.71	4.04	1.90
LEXINGTON SITE 01	67	1.89	2.22	.46	2.42	1.75
LOUISVILLE SITE 01	67	3.61	1.74	.92	2.22	2.12
LOUISIANA						
NEW ORLEANS SITE 02	67	1.85	1.06	1.27	3.00	1.80
MARYLAND						
BALTIMORE SITE 01	67	5.02	3.22	1.00	5.85	3.77
MICHIGAN						
DETROIT SITE 01	67	5.58	2.90	1.74	11.20	5.36
FLINT SITE 01	67	2.16	1.40	.45	1.45	1.37
GRAND RAPIDS SITE 01	67	3.01	2.10	1.15	4.73	2.75
MINNESOTA						
MINNEAPOLIS SITE 01	67	1.90	.71	1.33	1.18	1.28
ST PAUL SITE 01	67	1.72	.96	1.04	5.41	2.28
MISSOURI						
KANSAS CITY SITE 01	67	3.91	1.18	21.08	2.11	7.07
ST LOUIS SITE 01	67	3.96	.72	.84	3.86	2.35
MONTANA						
HELENA SITE 01	67	.75	.77	.30	1.49	.83
NEBRASKA						
OMAHA SITE 01	67	1.23	.91	.90	2.20	1.31
NEVADA						
LAS VEGAS SITE 01	67	1.50	.42	.35	1.94	1.05
RENO SITE 01	67	8.77	1.22	1.15	7.16	4.58

Table 3-4 (continued). BENZO(a)PYRENE, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ng/m³				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
NEW HAMPSHIRE						
CONCORD						
SITE 01	67	2.39	.96	.38	2.16	1.47
NEW JERSEY						
BAYONNE						
SITE 01	67	3.18	1.84	4.33	2.97	3.08
BURLINGTON COUNTY						
SITE 02	67	2.10	1.37	.68	2.33	1.62
GLASSBORO						
SITE 01	67	1.17	1.20	.36	.62	.84
JERSEY CITY						
SITE 01	67	3.17	1.63	1.43	7.90	3.53
NEWARK						
SITE 01	67	4.70	2.26	1.26	4.80	3.26
PATERSON						
SITE 01	67	2.58	1.29	.73	2.97	1.89
PERTH AMBOY						
SITE 01	67	3.06	1.04	1.23	3.21	2.14
NEW MEXICO						
ALBUQUERQUE						
SITE 01	67	3.74	.50	.28	2.95	1.87
NEW YORK						
NEW YORK CITY						
SITE 01	67	5.20	4.05	1.25	5.24	3.94
NORTH CAROLINA						
CHARLOTTE						
SITE 01	67	9.37	1.14	1.36	13.49	6.34
OHIO						
AKRON						
SITE 01	67	8.60	2.36	1.78	2.10	3.71
CINCINNATI						
SITE 01	67	2.29	1.10	.89	3.12	1.85
CLEVELAND						
SITE 01	67	4.61	2.25	1.14	3.56	2.89
COLUMBUS						
SITE 01	67	2.24	.94	.97	2.43	1.65
DAYTON						
SITE 01	67	4.19	.81	1.08	8.86	3.74
TOLEDO						
SITE 01	67	3.19	1.49	1.64	1.24	1.89
YOUNGSTOWN						
SITE 01	67	13.58	5.71	6.09	7.28	8.17
OKLAHOMA						
OKLAHOMA CITY						
SITE 01	67	.99	.61	.56	.70	.72
TULSA						
SITE 01	67	1.26	.39	.46	.29	.60
OREGON						
EUGENE						
SITE 01	67	4.25	1.20	.63	3.42	2.38
MEDFORD						
SITE 01	67	5.61	2.76	1.42	9.36	4.79
PORTLAND						
SITE 01	67	1.60	3.76	1.91	6.77	3.51
PENNSYLVANIA						
ALLENTOWN						
SITE 01	67	1.69	2.79	.97	1.69	1.79
ALTOONA						
SITE 01	67	44.55	13.55	8.70	51.30	29.53
BETHLEHEM						
SITE 01	67	3.30	2.14	3.34	2.71	2.87
ERIE						
SITE 01	67	2.86	2.41	1.35	8.64	3.82
LANCASTER						
SITE 01	67	3.39	1.60	.80	2.34	2.03
PHILADELPHIA						
SITE 01	67	9.03	2.31	2.02	10.08	5.86
PITTSBURGH						
SITE 01	67	6.38	6.47	2.96	11.98	6.95
READING						
SITE 01	67	5.47	1.11	1.02	3.95	2.89
SCRANTON						
SITE 01	67	6.86	3.56	2.76	7.53	5.18
WARMINSTER						
SITE 01	67	3.26	.99	1.39	3.18	2.21
WEST CHESTER						
SITE 01	67	1.92	.83	.36	1.22	1.08
YORK						
SITE 01	67	2.89	1.04	.56	2.49	1.75
PUERTO RICO						
BAYAMON						
SITE 01	67	.51	.18	.29	.39	.34
GUAYANILLA						
SITE 01	67	.21	.37	.26	.33	.29
PONCE						
SITE 01	67	.98	.52	.52	.95	.74
SAN JUAN						
SITE 01	67	.92	.35	.91	1.34	.88
RHODE ISLAND						
EAST PROVIDENCE						
SITE 01	67	2.13	1.20	1.34	1.61	1.57
PROVIDENCE						
SITE 01	67	3.05	2.09	2.10	3.82	2.77
SOUTH CAROLINA						
COLUMBIA						
SITE 01	67	5.44	.80	.93	9.49	4.17
TENNESSEE						
CHATTANOOGA						
SITE 01	67	6.67	2.11	43.44	39.23	22.86
KNOXVILLE						
SITE 01	67	6.26	5.26	1.88	14.66	7.02
MEMPHIS						
SITE 01	67	2.78	.96	.67	1.99	1.60
NASHVILLE						
SITE 01	67	6.32	1.44	1.24	18.90	6.98
TEXAS						
HOUSTON						
SITE 01	67	.55	1.11	.87	2.71	1.31
PASADENA						
SITE 01	67	1.04	.33	.48	.60	.61
SAN ANTONIO						
SITE 01	67	2.73	.50	.40	1.79	1.36
UTAH						
SALT LAKE CITY						
SITE 01	67	1.44	.21	.25	.72	.66
VIRGINIA						
HAMPTON						
SITE 01	67	3.72	1.03	.33	3.72	2.20
LYNCHBURG						
SITE 01	67	14.33	3.96	1.58	17.01	9.22
NORFOLK						
SITE 01	67	7.03	1.28	.62	5.15	3.52
PORTSMOUTH						
SITE 01	67	9.15	3.20	.90	17.58	7.71
RICHMOND						
SITE 01	67	6.94	2.01	.75	11.20	5.23
ROANOKE						
SITE 01	67	15.75	1.61	.87	11.63	7.47
WASHINGTON						
SEATTLE						
SITE 01	67	2.60	1.01	1.00	2.65	1.82

Table 3-4 (continued). BENZO(a)PYRENE, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ng/m^3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
WEST VIRGINIA CHARLESTON SITE 01	67	2.87	1.55	1.40	2.30	2.03
WISCONSIN KENOSHA SITE 01	67	2.46	1.35	.68	1.45	1.48
MADISON SITE 01	67	1.64	.76	.60	1.53	1.13
MILWAUKEE SITE 01	67	4.78	6.39	1.83	3.93	4.23
WYOMING CASPER SITE 01	67	.42	.71	.46	.48	.52
CHEYENNE SITE 01	67	.39	.37	.26	.42	.36

Table 3-5. BENZO(a)PYRENE, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ng/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
ARIZONA GRAND CANYON NAT PK SITE 01	67	.20	.11	.23	.18	.18
ARKANSAS MONTGOMERY COUNTY SITE 01	67	.20	.08	.10	.14	.13
CALIFORNIA HUMBOLDT COUNTY SITE 01	67	.64	.22	.33	.35	.39
COLORADO MESA VERDE NAT PK SITE 01	67	.14	.06	.10	.08	.10
DELAWARE KENT COUNTY SITE 01	67	.53	.27	.33	.25	.35
IDAHO BUTTE COUNTY SITE 01	67	.13	.08	.10	.11	.11
INDIANA MONROE COUNTY SITE 01	67	.30	.22	.38	.29	.30
PARKE COUNTY SITE 01	67	.34	.31	.24	.24	.28
MAINE ACADIA NATIONAL PARK SITE 01	67	.23	.10	.49	.03	.21
MARYLAND CALVERT COUNTY SITE 01	67	.78	.08	.39	.14	.35
MISSISSIPPI JACKSON COUNTY SITE 01	67	.97	.15	.14	.20	.37
MISSOURI SHANNON COUNTY SITE 01	67	.33	.11	.14	.10	.17
MONTANA GLACIER NATIONAL PARK SITE 01	67	.45	.24	.39	.19	.32
NEBRASKA THOMAS COUNTY SITE 01	67	.14	.08	.10	.18	.13
NEVADA WHITE PINE COUNTY SITE 01	67	.10	.07	.12	.04	.08
NEW HAMPSHIRE COOS COUNTY SITE 01	67	.36	.09	.15	.08	.17
NEW MEXICO RIO ARRIBA COUNTY SITE 01	67	.33	.15	.20	.18	.22
NEW YORK JEFFERSON COUNTY SITE 01	67	.33	.21	.31	.12	.24
NORTH CAROLINA CAPE HATTERAS NAT SEA SITE 01	67	.26	.06	.27	.13	.18
OKLAHOMA CHEROKEE COUNTY SITE 01	67	.38	.08	.09	.20	.19
OREGON CURRY COUNTY SITE 01	67	.13	.06	.09	.05	.08
PENNSYLVANIA CLARION COUNTY SITE 01	67	2.76	1.74	1.54	2.37	2.10
RHODE ISLAND WASHINGTON COUNTY SITE 01	67	.67	.24	.24	.22	.34
SOUTH CAROLINA RICHLAND COUNTY SITE 01	67	1.35	.13	.11	.49	.52
SOUTH DAKOTA BLACK HILLS NAT FOREST SITE 01	67	.23	.05	.11	.15	.14
TEXAS MATAGORDA COUNTY SITE 01	67	.12	.08	.13	.09	.11
VERMONT ORANGE COUNTY SITE 01	67	.79	.37	.26	.15	.39
VIRGINIA SHENANDOAH NATIONAL PK SITE 01	67	.58	.20	.12	.21	.28
WISCONSIN DOOR COUNTY SITE 01	67	.15	.17	.17	.09	.15
WYOMING YELLOWSTONE PARK SITE 01	67	.11	.03	.09	.04	.07

SECTION 4:

URBAN AND NONURBAN NONMETALLIC INORGANIC CONSTITUENTS

Table 4-1. AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, µg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA BIRMINGHAM SITE 01	66	25	.0	.0	.1	.1	.1	.1	.2	.2	.3	.7	2.2	.3	.2	2.28
GADSDEN SITE 01	66	26	.0	.0	.1	.1	.1	.1	.2	.3	.3	.9	3.0	.3	.2	2.58
HUNTSVILLE SITE 01	67	26	.0	.0	.1	.1	.1	.2	.4	.6	1.0	1.8	4.1	.7	.3	3.38
MOBILE SITE 01	66	26	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	1.3	.1	.1	1.79
MONTGOMERY SITE 01	67	26	.1	.1	.1	.1	.2	.3	.4	.7	1.1	1.6	9.1	.8	.3	3.37
ALASKA ANCHORAGE SITE 02	66	26	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	1.00
FAIRBANKS SITE 01	67	23	.0	.1	.1	.1	.1	.1	.1	.1	.2	.2	.4	.1	.1	1.50
ARIZONA MARICOPA COUNTY SITE 01	66	26	.1	.1	.1	.1	.1	.1	.2	.2	.4	.7	4.3	.4	.2	2.54
	67	26	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	2.3	.2	.1	2.00
	66 67	52	.1	.1	.1	.1	.1	.1	.1	.1	.2	.4	4.3	.3	.2	2.27
PHOENIX SITE 02	66	24	.1	.1	.1	.1	.1	.1	.1	.2	.3	.5	2.9	.3	.2	2.53
	67	26	.1	.1	.1	.1	.1	.1	.2	.2	.3	1.0	2.8	.4	.2	2.59
	66 67	50	.1	.1	.1	.1	.1	.1	.1	.2	.3	.5	2.9	.4	.2	2.56
TUCSON SITE 01	66	25	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.6	.1	.1	1.57
	67	24	.1	.1	.1	.1	.1	.1	.1	.2	.3	.4	.6	.2	.1	1.84
	66 67	49	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.6	.2	.1	1.71
ARKANSAS LITTLE ROCK SITE 01	66	26	.1	.1	.1	.1	.2	.2	.2	.2	.2	.5	.6	.2	.2	1.75
	67	25	.0	.1	.1	.1	.1	.2	.2	.3	.4	.7	1.6	.3	.2	2.29
	66 67	51	.0	.1	.1	.1	.2	.2	.2	.2	.3	.5	1.6	.3	.2	2.02
WEST MEMPHIS SITE 01	66	25	.1	.1	.1	.2	.2	.3	.3	.7	.7	1.2	2.5	.5	.3	2.79
CALIFORNIA BURBANK SITE 02	66	26	.1	.1	.2	.4	.5	.7	1.0	1.2	2.1	3.9	6.2	1.3	.7	3.39
GLENDALE SITE 01	67	26	.1	.1	.2	.3	.8	1.0	1.2	2.4	4.4	6.8	17.2	2.5	1.0	4.44
LONG BEACH SITE 01	67	25	.1	.1	.3	.4	.5	1.3	2.0	3.6	4.2	5.0	9.8	2.4	1.1	4.24
LOS ANGELES SITE 01	66	26	.0	.0	.3	.5	.6	.7	1.0	1.3	1.7	2.2	4.9	1.1	.7	2.96
	67	25	.1	.2	.3	.5	.6	.9	1.1	1.2	3.2	7.0	17.7	2.3	.9	3.76
	66 67	51	.0	.1	.3	.5	.6	.8	1.1	1.2	1.8	3.2	17.7	1.7	.8	3.36
OAKLAND SITE 01	66	25	.1	.1	.1	.1	.1	.2	.2	.4	.9	1.9	2.8	.6	.3	3.27
	67	25	.0	.1	.1	.1	.1	.1	.3	1.1	1.8	3.9	7.7	1.2	.4	4.64
	66 67	50	.0	.1	.1	.1	.1	.2	.2	.7	1.7	2.1	7.7	.9	.3	3.94
PASADENA SITE 01	66	25	.1	.2	.3	.5	.5	.6	.9	1.5	2.1	2.4	9.8	1.5	.8	2.90
SAN DIEGO SITE 01	66	25	.1	.1	.1	.1	.1	.1	.2	.3	.5	1.8	6.2	.6	.2	3.19
	67	24	.1	.1	.1	.1	.2	.2	.6	.6	1.7	2.1	2.5	.7	.4	3.34
	66 67	49	.1	.1	.1	.1	.1	.2	.3	.5	1.0	2.1	6.2	.7	.3	3.26
SAN FRANCISCO SITE 01	66	26	.0	.1	.1	.1	.1	.1	.1	.1	.2	.2	11.2	.6	.1	2.93
	67	25	.0	.0	.1	.1	.1	.1	.1	.5	.6	3.3	3.7	.6	.2	3.64
	66 67	51	.0	.0	.1	.1	.1	.1	.1	.2	.2	1.6	11.2	.6	.2	3.28

*Data contributed by state or local agency.

NOT REPRODUCIBLE

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
COLORADO DENVER SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.2	.2	.2	.3	.1	.1	1.48
	67	26	.0	.0	.1	.1	.1	.1	.1	.2	.2	.3	.6	.1	.1	1.66
	66 67	51	.0	.1	.1	.1	.1	.1	.1	.2	.2	.3	.6	.1	.1	1.57
CONNECTICUT HARTFORD SITE 01	66	26	.3	.4	.4	.5	.8	1.2	1.5	2.0	2.6	4.1	7.5	1.7	1.2	2.50
	67	26	.1	.4	.7	.8	1.7	1.9	3.5	4.0	5.0	7.0	10.7	3.1	1.9	3.16
	66 67	52	.1	.4	.5	.8	1.2	1.5	2.0	2.7	4.0	5.5	10.7	2.4	1.5	2.83
NEW HAVEN SITE 01	66	25	.7	1.1	1.2	2.2	2.6	2.8	2.9	3.2	4.2	5.9	8.6	3.1	2.6	1.86
	67	26	.1	.3	1.1	1.3	1.6	2.1	2.7	2.8	2.9	4.7	5.3	2.3	1.6	2.93
	66 67	51	.1	.8	1.2	1.6	2.2	2.7	2.8	2.9	4.2	5.1	8.6	2.7	2.0	2.41
DELAWARE NEWARK SITE 01	66	25	.3	.4	.6	1.1	1.4	1.5	1.8	2.6	2.9	4.6	11.6	2.3	1.6	2.43
	67	26	.1	.3	.4	.7	1.0	1.3	1.5	1.9	2.2	3.7	4.3	1.5	1.0	2.78
	66 67	51	.1	.4	.6	1.0	1.3	1.4	1.6	2.2	2.7	3.8	11.6	1.9	1.3	2.61
WILMINGTON SITE 01	66	24	.2	1.1	1.8	2.1	2.3	3.0	3.3	3.6	4.6	5.2	8.0	3.1	2.5	2.11
	67	21	.4	1.5	2.0	2.5	2.7	2.8	2.9	3.3	3.9	4.7	7.3	3.0	2.6	1.94
	66 67	45	.2	1.1	2.0	2.1	2.5	2.8	3.2	3.6	3.9	5.2	8.0	3.1	2.6	2.03
DC WASHINGTON SITE 01	66	25	.3	.4	.5	.7	.7	.9	1.1	1.1	1.6	3.2	4.9	1.3	1.0	2.13
	67	26	.2	.4	.8	1.0	1.7	1.8	2.3	2.7	2.9	3.6	6.3	2.1	1.5	2.51
	66 67	51	.2	.4	.5	.8	1.0	1.1	1.7	2.3	2.7	3.3	6.3	1.7	1.2	2.32
GEORGIA ATLANTA SITE 01	66	23	.0	.1	.1	.1	.3	.4	.5	1.0	1.1	1.3	4.9	.8	.4	3.24
	67	26	.0	.1	.1	.2	.3	.5	.7	1.0	1.7	2.1	2.7	.8	.5	3.13
	66 67	49	.0	.1	.1	.2	.3	.5	.7	1.0	1.3	2.1	4.9	.8	.4	3.19
HAWAII HONOLULU SITE 01	66	26	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	1.00
	67	26	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	1.00
	66 67	52	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	1.00
IDAHO BOISE SITE 01	66	25	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	1.1	.2	.1	1.74
	67	25	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	1.8	.2	.1	1.89
	66 67	50	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	1.8	.2	.1	1.82
ILLINOIS CHICAGO SITE 01	66	26	.0	.2	.4	.8	1.1	1.4	1.9	2.1	2.2	2.9	4.7	1.6	1.1	2.77
	67	26	.1	.2	.3	.7	1.4	1.5	1.6	2.1	2.5	2.9	3.4	1.5	1.0	3.01
	66 67	52	.0	.2	.3	.8	1.2	1.5	1.8	2.1	2.5	2.9	4.7	1.6	1.0	2.89
EAST ST LOUIS SITE 01	67	23	.1	.4	.6	.7	1.0	1.2	1.4	1.4	1.8	2.0	3.2	1.2	1.0	2.14
ROCKFORD SITE 01	67	26	.1	.1	.1	.1	.2	.3	.5	.6	1.2	2.5	3.6	.8	.4	3.35
SPRINGFIELD SITE 01	67	23	.0	.1	.2	.2	.3	.4	.5	.8	.8	1.4	1.8	.6	.4	2.44
INDIANA EAST CHICAGO SITE 01	66	26	.0	.1	.2	.2	.3	.8	.9	1.1	1.2	2.5	5.1	1.0	.6	3.05
	67	25	.2	.3	.4	.5	.8	.9	1.2	2.1	2.3	3.1	4.6	1.4	1.0	2.43
	66 67	51	.0	.2	.3	.4	.7	.9	1.1	1.2	2.1	3.0	5.1	1.2	.8	2.74
HAMMOND SITE 01	66	24	.0	.0	.1	.3	.6	.7	1.0	1.1	1.8	2.8	5.7	1.2	.6	3.47
	67	22	.0	.1	.2	.3	.5	.6	.9	1.0	1.6	1.9	5.6	1.0	.6	3.06
	66 67	46	.0	.1	.2	.3	.6	.7	.9	1.1	1.6	2.3	5.7	1.1	.6	3.26
INDIANAPOLIS SITE 01	66	25	.1	.2	.3	.7	.8	1.0	1.2	1.5	1.9	4.7	9.5	1.7	1.0	3.01
	67	22	.1	.5	.6	.9	.9	1.2	1.7	1.8	1.9	3.1	4.5	1.5	1.2	2.31
	66 67	47	.1	.3	.6	.7	.9	1.2	1.3	1.7	1.9	3.5	9.5	1.6	1.1	2.66
MUNCIE SITE 01	66	24	.1	.1	.1	.2	.3	.3	.8	.9	1.6	2.4	6.8	1.0	.5	3.61
	67	22	.1	.2	.4	.5	.6	.6	1.0	1.0	1.3	1.4	2.6	.8	.7	2.17
	66 67	46	.1	.1	.2	.3	.5	.6	.8	1.0	1.4	2.0	6.8	.9	.6	2.89

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
NEW ALBANY SITE 02	66	24	.0	.1	.1	.1	.3	.4	.5	.7	.9	1.2	1.5	.5	.3	2.71
SOUTH BEND SITE 01	66	24	.0	.2	.2	.4	.5	.6	1.4	1.6	1.9	2.1	6.6	1.3	.7	3.15
	67	24	.0	.1	.1	.2	.3	.4	.6	1.3	1.6	4.2	4.7	1.1	.5	3.81
	66 67	48	.0	.1	.2	.3	.4	.5	.9	1.6	1.6	4.2	6.6	1.2	.6	3.48
TERRE HAUTE SITE 01	67	22	.1	.3	.3	.4	.6	.8	.9	.9	1.0	1.3	4.1	.9	.7	2.25
IOWA CEDAR RAPIDS SITE 01	67	25	.0	.1	.1	.1	.1	.3	.4	.6	1.1	1.5	1.7	.5	.3	3.05
DAVENPORT SITE 01	66	25	.1	.1	.1	.1	.1	.1	.1	.1	.2	.4	2.2	.3	.2	2.28
DES MOINES SITE 01	66	25	.1	.1	.1	.1	.1	.1	.1	.1	.3	.7	1.7	.3	.2	2.40
	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.2	.3	.4	.1	.1	1.54
	66 67	50	.0	.0	.1	.1	.1	.1	.1	.1	.2	.4	1.7	.2	.1	2.00
DUBUQUE SITE 01	66	26	.1	.1	.1	.1	.1	.1	.2	.4	.5	1.5	4.7	.5	.2	3.03
	67	25	.0	.1	.1	.1	.2	.4	.6	.8	2.1	3.1	4.4	1.0	.4	4.02
	66 67	51	.0	.1	.1	.1	.1	.2	.4	.6	.8	2.6	4.7	.8	.3	3.52
KANSAS KANSAS CITY SITE 01	66	23	.0	.1	.1	.1	.1	.1	.1	.2	.2	.3	.8	.2	.1	1.76
TOPEKA SITE 01	67	26	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.6	.1	.1	1.61
WICHITA SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.1	.1	.3	.3	.1	.1	1.48
	67	25	.0	.0	.0	.1	.1	.1	.1	.2	.3	.6	3.8	.3	.2	2.57
	66 67	50	.0	.0	.1	.1	.1	.1	.1	.1	.2	.3	3.8	.2	.1	2.06
KENTUCKY ASHLAND SITE 01	66	24	.0	.1	.1	.3	.4	.5	.7	1.8	3.2	3.6	17.4	2.0	.7	4.41
COVINGTON SITE 01	66	25	.0	.1	.2	.3	.5	.6	.7	1.2	1.3	2.1	3.3	.9	.6	2.90
	67	25	.1	.1	.2	.3	.3	.6	.7	.8	1.5	1.7	4.0	.8	.5	2.81
	66 67	50	.0	.1	.2	.3	.5	.6	.7	1.0	1.4	2.0	4.0	.9	.5	2.85
LEXINGTON SITE 01	67	26	.1	.2	.4	.5	.6	.8	1.0	1.7	2.4	3.9	4.2	1.4	.9	3.01
LOUISVILLE SITE 01	66	25	.1	.1	.2	.2	.3	.6	.8	1.1	1.2	1.8	2.5	.8	.5	2.87
	67	26	.1	.1	.4	.5	.6	.8	1.0	1.1	1.5	1.5	1.9	.8	.6	2.53
	66 67	51	.1	.1	.2	.3	.5	.7	.9	1.1	1.5	1.5	2.5	.8	.5	2.70
LOUISIANA NEW ORLEANS SITE 02	66	26	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.6	.1	.1	1.58
	67	26	.0	.0	.0	.0	.0	.1	.1	.1	.2	1.0	3.5	.3	.2	2.68
	66 67	52	.0	.0	.0	.0	.1	.1	.1	.1	.2	.4	3.5	.2	.1	2.16
MARYLAND BALTIMORE SITE 01	66	26	.1	.2	.6	.7	1.0	1.4	1.8	2.2	3.0	4.4	16.7	2.2	1.2	3.31
	67	25	.1	.2	.4	1.0	1.1	1.4	1.5	2.8	2.9	4.8	6.3	2.0	1.2	3.16
	66 67	51	.1	.2	.5	.7	1.0	1.4	1.8	2.2	3.0	4.4	16.7	2.1	1.2	3.24
MICHIGAN DETROIT SITE 01	66	26	.1	.1	.1	.1	.2	.3	.3	.6	.8	1.7	5.9	.6	.3	3.12
	67	23	.0	.1	.1	.2	.3	.5	.7	.9	1.0	1.4	4.4	.8	.4	2.99
	66 67	49	.0	.1	.1	.1	.2	.3	.5	.8	1.0	1.7	5.9	.7	.4	3.06
FLINT SITE 01	67	25	.0	.1	.1	.1	.2	.3	.3	.5	.6	.9	3.7	.5	.3	2.72
GRAND RAPIDS SITE 01	67	25	.0	.1	.1	.1	.1	.1	.2	.5	.6	.7	1.5	.3	.2	2.54
MINNESOTA DULUTH SITE 01	66	26	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.4	.1	.1	1.38

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m^3													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
MINNEAPOLIS SITE 01	66	26	.0	.1	.1	.1	.1	.1	.1	.3	.5	1.6	1.8	.4	.2	2.76
	67	26	.1	.1	.1	.1	.2	.2	.7	.9	1.2	1.8	3.8	.7	.4	3.51
	66 67	52	.0	.1	.1	.1	.1	.1	.3	.6	.9	1.8	3.8	.6	.3	3.13
MOORHEAD SITE 01	66	26	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.1	.1	1.32
ST. PAUL SITE 01	66	25	.0	.0	.1	.1	.1	.1	.3	.6	.8	1.2	5.0	.6	.3	3.31
	67	26	.0	.1	.1	.1	.1	.1	.4	.7	.8	3.9	6.8	.9	.3	3.98
	66 67	51	.0	.1	.1	.1	.1	.1	.4	.6	.8	1.2	6.8	.8	.3	3.64
MISSISSIPPI JACKSON SITE 01	66	26	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	1.5	.2	.1	1.95
MISSOURI KANSAS CITY SITE 01	66	24	.0	.0	.0	.0	.1	.1	.1	.1	.1	.4	.6	.1	.1	1.72
	67	26	.0	.0	.0	.0	.1	.1	.1	.2	.4	.5	1.2	.2	.2	2.16
	66 67	50	.0	.0	.0	.0	.1	.1	.1	.1	.2	.4	1.2	.2	.1	1.95
ST. LOUIS SITE 01	66	24	.1	.1	.3	.9	1.1	1.2	1.7	1.9	2.2	2.9	4.3	1.4	.9	3.22
	67	25	.1	.1	.1	.2	.5	.7	.9	1.3	1.8	2.2	2.7	.9	.5	3.43
	66 67	49	.1	.1	.1	.5	.8	1.0	1.3	1.8	2.0	2.5	4.3	1.2	.7	3.32
MONTANA HELENA SITE 01	66	26	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.8	.1	.1	1.59
	67	26	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	.8	.1	.1	1.66
	66 67	52	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.8	.1	.1	1.63
NEBRASKA OMAHA SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0	.1	.1	1.73
	67	26	.0	.0	.0	.0	.1	.1	.1	.1	.2	.4	.8	.1	.1	1.78
	66 67	51	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	1.0	.1	.1	1.76
NEVADA LAS VEGAS SITE 01	66	26	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	1.00
	67	26	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.21
	66 67	52	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.14
RENO SITE 01	67	25	.0	.1	.1	.1	.1	.1	.1	.2	.2	.4	3.2	.3	.2	2.18
NEW HAMPSHIRE CONCORD SITE 01	66	26	.0	.1	.1	.1	.1	.3	.4	1.3	1.5	2.6	3.6	.8	.3	3.71
	67	26	.1	.2	.2	.3	.5	.7	1.2	1.5	2.4	3.2	7.9	1.4	.7	3.33
	66 67	52	.0	.1	.1	.2	.3	.4	.8	1.5	1.5	2.6	7.9	1.1	.5	3.52
NEW JERSEY BAYONNE SITE 01	67	23	.5	1.3	1.8	2.7	2.8	3.0	3.1	4.4	5.4	7.6	10.7	3.8	3.1	2.05
BURLINGTON COUNTY SITE 02	66	26	.0	.1	.2	.5	1.1	1.2	1.4	1.8	2.1	3.4	6.0	1.5	.8	3.63
	67	26	.0	.1	.5	.6	.7	1.0	1.6	2.2	2.9	3.7	4.4	1.6	.9	3.36
	66 67	52	.0	.1	.3	.6	.9	1.1	1.5	1.9	2.5	3.4	6.0	1.6	.9	3.50
CAMDEN SITE 01	66	25	.2	.3	.8	1.4	1.8	2.1	2.7	2.7	3.2	5.4	8.2	2.5	1.7	2.70
GLASSBORO SITE 01	66	26	.0	.1	.1	.3	.4	.5	.8	1.4	1.5	3.1	5.8	1.1	.6	3.47
	67	26	.1	.2	.3	.6	.9	1.1	1.3	1.5	1.7	2.8	5.7	1.3	.9	2.85
	66 67	52	.0	.1	.3	.3	.6	.8	1.2	1.5	1.6	2.8	5.8	1.2	.7	3.16
JERSEY CITY SITE 01	66	23	.1	.7	1.0	1.3	1.6	2.9	3.6	5.0	6.1	7.3	9.2	3.4	2.1	3.62
	67	25	.7	.8	1.0	2.0	2.6	3.3	3.4	4.4	5.1	6.3	12.7	3.7	2.8	2.23
	66 67	48	.1	.8	1.0	1.4	2.6	2.9	3.6	4.4	5.9	7.3	12.7	3.6	2.4	2.82
NEWARK SITE 01	66	25	.3	.3	.4	.8	1.0	1.8	2.2	2.3	2.9	3.8	7.2	1.9	1.3	2.59
	67	25	.4	1.1	1.3	2.5	2.7	2.8	3.0	3.3	4.8	5.5	8.0	3.2	2.6	2.02
	66 67	50	.3	.4	.8	1.2	1.9	2.3	2.8	3.0	3.3	5.3	8.0	2.6	1.9	2.31
PATERSON SITE 01	67	25	.4	1.1	1.6	1.9	2.0	2.2	2.3	2.4	3.5	5.4	6.0	2.6	2.3	1.83
PERTH AMBOY SITE 01	67	25	.9	1.4	1.7	2.8	3.5	4.3	4.6	5.2	6.5	7.2	7.8	4.2	3.5	1.91

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
TRENTON SITE 01	66	21	.1	.1	.3	.4	.6	.8	.8	1.3	1.6	2.0	7.1	1.3	.7	3.28
NEW MEXICO ALBUQUERQUE SITE 01	66	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.00
	67	26	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.21
	66 67	51	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	1.14
NEW YORK NEW YORK CITY SITE 01	66	24	.6	1.3	1.6	1.9	2.0	2.5	3.4	3.7	5.2	5.5	7.4	3.1	2.6	1.91
	67	21	.5	2.5	3.2	3.4	3.9	4.7	6.3	7.1	7.2	7.5	8.7	5.1	4.3	1.97
	66 67	45	.5	1.5	1.8	2.5	3.0	3.5	4.0	5.2	6.3	7.4	8.7	4.1	3.3	1.94
NORTH CAROLINA CHARLOTTE SITE 01	66	26	.1	.1	.1	.1	.2	.2	.5	.9	1.2	2.3	3.6	.7	.4	3.28
	67	25	.1	.2	.3	.4	.4	.6	1.0	1.5	1.6	2.0	2.8	1.0	.7	2.45
	66 67	51	.1	.1	.2	.2	.4	.5	.6	1.2	1.5	2.0	3.6	.9	.5	2.86
OHIO AKRON SITE 01	66	25	.1	.1	.1	.1	.3	.4	.5	.5	1.0	2.1	5.5	.8	.4	3.38
	67	26	.2	.4	.8	1.1	1.2	1.4	1.5	1.8	2.4	3.7	4.1	1.6	1.2	2.19
	66 67	51	.1	.1	.2	.4	.5	.9	1.2	1.5	1.8	2.6	5.5	1.2	.7	2.78
CINCINNATI SITE 01	66	25	.0	.1	.1	.3	.4	.5	.6	1.7	1.9	3.5	10.1	1.4	.6	4.00
	67	25	.1	.2	.3	.4	.5	.5	.7	1.0	1.2	1.5	3.1	.8	.6	2.30
	66 67	50	.0	.1	.2	.4	.4	.5	.7	1.2	1.5	2.3	10.1	1.1	.6	3.14
CLEVELAND SITE 01	66	26	.0	.1	.4	.5	.6	.9	1.2	1.4	2.1	3.5	4.8	1.3	.8	2.95
	67	26	.2	.2	.4	.6	.8	1.1	1.3	1.4	1.7	2.2	8.4	1.4	.9	2.50
	66 67	52	.0	.2	.4	.5	.8	.9	1.3	1.4	2.0	2.3	8.4	1.4	.9	2.73
COLUMBUS SITE 01	66	25	.1	.1	.1	.1	.2	.4	.8	1.0	1.6	2.2	3.4	.8	.4	3.58
	67	26	.1	.3	.3	.4	.5	.6	.8	.8	.9	1.5	2.1	.7	.6	2.01
	66 67	51	.1	.1	.2	.3	.4	.6	.8	.9	1.2	1.8	3.4	.8	.5	2.79
DAYTON SITE 01	66	26	.0	.0	.0	.1	.1	.1	.2	.5	.7	1.1	3.7	.5	.2	3.18
	67	26	.2	.3	.5	.6	.8	.9	1.4	1.5	1.7	2.8	4.2	1.3	.9	2.31
	66 67	52	.0	.0	.1	.2	.3	.5	.8	1.1	1.5	2.2	4.2	.9	.5	2.75
TOLEDO SITE 01	66	26	.0	.1	.1	.1	.1	.1	.4	.7	.8	1.9	5.3	.7	.3	3.62
	67	26	.0	.1	.2	.3	.6	.7	.9	1.1	1.3	1.4	5.4	.9	.6	2.97
	66 67	52	.0	.1	.1	.1	.2	.5	.7	.9	1.1	1.4	5.4	.8	.4	3.29
YOUNGSTOWN SITE 01	66	26	.1	.2	.2	.3	.5	.7	1.0	1.2	1.6	2.0	3.2	.9	.6	2.70
	67	26	.0	.1	.2	.5	.7	1.0	1.4	2.0	2.3	2.5	7.6	1.4	.8	3.47
	66 67	52	.0	.1	.2	.3	.5	1.0	1.2	1.4	2.0	2.4	7.6	1.2	.7	3.08
OKLAHOMA OKLAHOMA CITY SITE 01	66	26	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.21
	67	25	.0	.0	.0	.0	.1	.1	.1	.1	.1	.6	1.9	.2	.1	2.28
	66 67	51	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	1.9	.2	.1	1.82
TULSA SITE 01	66	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.15
	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	1.0	1.7	.2	.1	2.43
	66 67	50	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	1.7	.2	.1	1.89
OREGON EUGENE SITE 01	67	24	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.1	.1	1.33
MEDFORD SITE 01	67	26	.1	.1	.1	.2	.2	.2	.2	.3	.3	.4	.4	.2	.2	1.64
PORTLAND SITE 01	66	22	.0	.0	.0	.0	.0	.1	.1	.1	.1	.8	1.1	.2	.1	2.37
	67	26	.0	.0	.1	.1	.1	.1	.2	.3	.4	.8	1.6	.3	.2	2.49
	66 67	48	.0	.0	.0	.0	.1	.1	.1	.2	.4	.8	1.6	.3	.2	2.43
PENNSYLVANIA ALLENTOWN* SITE 01	67	25	.0	.1	.5	.8	.8	1.0	1.5	2.2	3.8	5.1	7.8	2.1	1.2	3.43
ALTOONA SITE 01	67	25	.1	.3	.5	.6	.8	1.1	1.3	1.5	1.6	2.4	3.1	1.2	.9	2.45

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
BETHLEHEM SITE 01	67	25	.0	.1	.1	.2	.3	.5	.7	1.0	1.6	3.5	5.8	1.1	.5	3.83
ERIE SITE 01	6	26	.1	.1	.4	.5	.7	1.0	1.4	1.7	2.1	3.0	4.0	1.3	.8	3.15
LANCASTER SITE 01	66	26	.1	.2	.3	.7	.8	.9	1.7	2.0	2.2	3.2	4.9	1.5	.9	2.94
	67	24	.1	.3	.5	.7	1.0	1.2	1.4	1.9	2.7	4.2	12.8	2.0	1.2	2.96
	66 67	50	.1	.2	.4	.7	.8	1.2	1.4	1.9	2.2	3.2	12.8	1.8	1.0	2.95
PHILADELPHIA SITE 01	66	24	.1	.3	.8	1.6	2.1	2.3	2.9	3.4	4.1	4.3	8.1	2.6	1.9	2.80
	67	25	1.0	1.4	1.9	2.5	2.8	3.1	3.5	4.1	5.9	9.0	11.6	4.1	3.4	1.90
	66 67	49	.1	.8	1.6	2.0	2.4	2.8	3.4	3.9	4.3	7.0	11.6	3.4	2.5	2.36
PITTSBURGH SITE 01	66	26	.0	.0	.1	.2	.4	1.1	1.4	1.6	1.8	3.4	4.7	1.3	.6	3.78
	67	25	.0	.3	.6	1.0	1.2	1.4	1.5	1.6	2.5	2.8	6.3	1.6	1.1	2.68
	66 67	51	.0	.1	.3	.6	1.0	1.3	1.5	1.6	2.0	2.8	6.3	1.5	.9	3.22
READING SITE 01	66	25	.0	.1	.2	.3	.7	.9	1.9	2.3	3.0	6.4	8.3	2.1	.9	4.38
	67	25	.1	.1	.6	1.0	1.6	2.1	2.2	2.4	2.6	7.2	9.4	2.4	1.3	3.79
	66 67	50	.0	.1	.2	.7	1.0	1.7	2.2	2.3	2.9	6.4	9.4	2.3	1.1	4.08
SCRANTON SITE 01	67	23	.5	1.3	1.7	2.2	2.7	4.7	5.4	7.8	8.0	10.8	19.1	5.4	3.9	2.49
WARMINSTER SITE 01	66	25	.0	.0	.1	.1	.1	.3	.7	1.3	1.6	2.3	3.6	.9	.4	3.88
	67	23	.2	.6	.8	1.2	1.4	1.7	2.0	2.5	3.9	4.7	7.9	2.3	1.6	2.43
	66 67	48	.0	.1	.1	.3	.8	1.2	1.4	2.0	2.3	3.9	7.9	1.6	.8	3.14
WEST CHESTER SITE 01	67	26	.0	.1	.2	.4	.5	.6	1.4	2.0	2.0	2.3	3.8	1.1	.6	3.37
YORK SITE 01	67	26	.1	.2	.3	.3	.4	.6	1.1	1.5	1.6	3.2	32.3	2.3	.8	3.52
PUERTO RICO BAYAMON SITE 01	66	26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.00
	67	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
	66 67	51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.00
CATANO SITE 01	66	24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	1.00
GUAYANILLA SITE 01	66	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	1.00
	67	23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.00
	66 67	48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	1.00
PONCE SITE 01	66	26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
	67	24	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	.1	.1	1.30
	66 67	50	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.1	.1	1.20
RHODE ISLAND EAST PROVIDENCE SITE 01	67	26	.0	.2	.5	.7	.7	1.0	1.1	1.8	2.8	3.9	5.5	1.6	1.0	2.97
PROVIDENCE SITE 01	66	23	.1	.6	.7	1.0	1.2	1.4	1.8	2.7	3.0	4.7	5.9	2.0	1.4	2.56
	67	23	.1	.6	.6	.7	1.7	1.8	2.3	2.6	3.6	3.7	4.7	1.9	1.4	2.56
	66 67	46	.1	.6	.7	.9	1.2	1.7	1.9	2.6	3.0	4.0	5.9	2.0	1.4	2.56
SOUTH CAROLINA COLUMBIA SITE 01	66	23	.0	.0	.1	.1	.1	.2	.3	.8	1.1	1.3	4.0	.7	.3	3.50
	67	26	.1	.1	.2	.2	.3	.4	.5	1.0	1.6	1.8	2.5	.7	.4	2.86
	66 67	49	.0	.1	.1	.2	.2	.3	.5	.8	1.3	1.8	4.0	.7	.4	3.18
GREENVILLE SITE 01	66	26	.0	.1	.1	.2	.5	.9	1.2	1.5	1.5	2.2	4.3	1.0	.6	3.54
SOUTH DAKOTA SIOUX FALLS SITE 01	66	26	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.1	.1	1.38
TENNESSEE CHATTANOOGA SITE 01	66	23	.1	.1	.1	.3	.3	.5	.7	.9	1.4	2.4	4.0	.9	.5	3.20
	67	22	.0	.1	.2	.4	.4	.6	1.2	1.6	2.0	2.0	3.1	1.0	.7	3.02
	66 67	45	.0	.1	.2	.3	.4	.6	.8	1.2	1.7	2.3	4.0	1.0	.6	3.11

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
KNOXVILLE SITE 01	67	24	.1	.1	.2	.4	.5	.7	.9	1.0	1.1	1.3	1.6	.7	.5	2.50
MEMPHIS SITE 01	66	26	.0	.1	.1	.1	.1	.1	.2	.6	.9	1.8	5.4	.6	.3	3.44
	67	26	.0	.0	.1	.1	.1	.1	.3	.7	.7	1.0	2.3	.4	.2	2.81
	66 67	52	.0	.1	.1	.1	.1	.1	.3	.6	.8	1.2	5.4	.5	.3	3.12
NASHVILLE SITE 01	66	24	.1	.2	.2	.3	.3	.5	1.0	1.3	2.3	2.7	3.9	1.1	.6	3.11
	67	25	.0	.1	.1	.2	.3	.6	.7	.9	1.1	1.4	2.7	.7	.5	2.80
	66 67	49	.0	.1	.2	.3	.3	.6	.8	1.1	1.4	2.5	3.9	.9	.5	2.96
TEXAS DALLAS SITE 01	66	24	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	1.5	.1	.1	1.78
HOUSTON SITE 01	66	26	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.1	.1	1.32
	67	26	.0	.0	.0	.0	.0	.0	.1	.1	.3	1.3	3.2	.3	.2	2.82
	66 67	52	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	3.2	.2	.1	2.13
PASADENA SITE 01	67	24	.0	.0	.0	.0	.0	.0	.0	.1	.3	.7	2.4	.2	.2	2.55
SAN ANTONIO SITE 01	66	25	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.21
	67	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	.1	.1	1.65
	66 67	50	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	1.0	.1	.1	1.46
UTAH OGDEN SITE 01	66	24	.1	.1	.1	.1	.1	.2	.2	.2	.2	.3	1.5	.2	.2	1.87
SALT LAKE CITY SITE 01	66	24	.1	.1	.1	.1	.1	.1	.2	.2	.2	.7	2.1	.3	.2	2.22
	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.9	.1	.1	1.58
	66 67	49	.0	.0	.1	.1	.1	.1	.1	.1	.2	.3	2.1	.2	.1	1.91
VERMONT BURLINGTON SITE 01	66	25	.1	.1	.1	.1	.1	.2	.3	.9	1.5	2.4	2.7	.8	.3	3.85
VIRGINIA DANVILLE SITE 01	66	23	.1	.2	.2	.3	.4	.5	.6	.8	1.3	2.0	2.9	.8	.5	2.54
HAMPTON SITE 01	67	26	.1	.1	.1	.2	.3	.4	1.2	1.3	1.4	1.5	2.2	.8	.5	3.21
LYNCHBURG SITE 01	67	26	.1	.1	.2	.3	.5	.6	.7	1.1	1.3	2.2	5.9	.9	.6	2.86
NORFOLK SITE 01	66	26	.0	.1	.1	.1	.2	.3	.5	1.1	1.3	1.9	4.4	[illegible]	.4	3.37
	67	25	.0	.1	.2	.4	.4	.7	.8	1.1	1.3	2.3	3.9	.9	.6	2.87
	66 67	51	.0	.1	.1	.2	.3	.5	.7	1.1	1.3	1.9	4.4	.9	.5	3.12
PORTSMOUTH SITE 01	67	26	.0	.0	.2	.2	.4	.6	1.1	1.3	1.5	3.0	18.6	1.6	.6	3.81
RICHMOND SITE 01	67	26	.1	.1	.2	.5	.7	1.1	1.2	1.6	1.7	2.2	3.4	1.1	.7	2.95
ROANOKE SITE 01	67	25	.1	.1	.2	.3	.4	.6	.7	1.0	1.2	1.7	2.5	.8	.5	2.64
WASHINGTON SEATTLE SITE 01	66	26	.1	.1	.1	.1	.1	.1	.2	.2	.2	.6	.9	.2	.2	2.08
	67	26	.0	.0	.0	.0	.1	.1	.1	.2	.2	.3	1.3	.2	.1	1.57
	66 67	52	.0	.0	.1	.1	.1	.1	.1	.2	.2	.4	1.3	.2	.2	1.98
WEST VIRGINIA CHARLESTON SITE 01	66	22	.0	.4	1.0	1.8	2.1	4.1	7.2	13.2	19.5	21.5	23.9	8.2	3.8	4.62
	67	26	.2	.4	.9	1.1	1.6	2.0	4.9	11.7	13.5	27.2	71.2	10.1	3.2	4.93
	66 67	48	.0	.4	.9	1.5	1.9	3.7	6.2	11.7	14.8	23.3	71.2	9.2	3.5	4.78
WISCONSIN KENOSHA SITE 01	67	26	.0	.1	.1	.1	.2	.3	.4	.6	.6	1.6	2.1	.5	.3	2.74

---

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
WISCONSIN																
MADISON SITE 01	67	26	.0	.1	.2	.2	.3	.3	.4	.7	.8	1.4	1.7	.5	.4	2.45
MILWAUKEE SITE 01	66	26	.1	.1	.1	.1	.1	.2	.2	.3	.4	1.4	4.2	.5	.2	2.78
	67	26	.0	.0	.0	.1	.1	.1	.1	.1	.2	.3	1.0	.2	.1	1.83
	66 67	52	.0	.0	.1	.1	.1	.1	.2	.2	.3	.5	4.2	.4	.2	2.32
WYOMING																
CASPER SITE 01	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.3	.1	.1	1.29
CHEYENNE SITE 01	66	26	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1	1.25
	67	24	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	1.00
	66 67	50	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	.1	.0	1.17

*Data contributed by state or local agency.

Table 4-2. AMMONIUM, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON NAT PK SITE 01	66	25	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	1.00
	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	1.00
	66 67	50	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	1.00
ARKANSAS MONTGOMERY COUNTY SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.2	.2	.4	.4	.2	.1	1.67
	67	25	.0	.0	.1	.1	.1	.1	.1	.2	.3	.4	1.1	.2	.2	1.99
	66 67	50	.0	.1	.1	.1	.1	.1	.1	.2	.2	.4	1.1	.2	.1	1.84
CALIFORNIA HUMBOLDT COUNTY SITE 01	66	24	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.5	.1	.1	1.63
	67	25	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.3	.1	.1	1.41
	66 67	49	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.5	.1	.1	1.52
COLORADO MESA VERDE NAT PK SITE 01	66	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	1.00
	67	24	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.1	1.22
	66 67	49	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.1	1.15
DELAWARE KENT COUNTY SITE 01	66	25	.0	.0	.0	.1	.1	.3	.5	1.1	1.2	2.6	4.6	.9	.4	4.00
	67	25	.0	.1	.2	.5	.5	.9	1.4	1.8	1.9	3.1	4.1	1.2	.7	3.20
	66 67	50	.0	.0	.1	.2	.3	.5	1.0	1.4	1.9	2.6	4.6	1.1	.5	3.60
IDAHO BUTTE COUNTY SITE 01	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.3	.1	.1	1.29
INDIANA MONROE COUNTY SITE 01	66	22	.0	.0	.0	.1	.1	.1	.3	.6	1.2	1.6	6.2	.7	.3	3.65
	67	24	.0	.0	.0	.1	.1	.1	.3	.4	.9	1.4	1.9	.4	.2	2.83
	66 67	46	.0	.0	.0	.1	.1	.1	.3	.4	.9	1.5	6.2	.6	.3	3.24
PARKE COUNTY SITE 01	66	25	.0	.0	.1	.1	.1	.1	.2	.3	.4	2.1	10.4	.5	.2	3.47
	67	21	.0	.0	.1	.1	.1	.1	.2	.4	.5	.8	1.9	.4	.2	2.72
	66 67	46	.0	.0	.1	.1	.1	.1	.2	.3	.4	1.6	10.4	.6	.2	3.09
IOWA DELAWARE COUNTY SITE 01	66	23	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	1.[illegible]	.2	.1	2.10
MAINE ACADIA NAT PK SITE 01	66	24	.0	.1	.1	.1	.1	.1	.1	.2	.2	.2	.4	.1	.1	1.49
	67	20	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	5.[illegible]	.4	.2	2.71
	66 67	44	.0	.0	.0	.1	.1	.1	.1	.1	.2	.2	5.[illegible]	.3	.1	2.14
MARYLAND CALVERT COUNTY SITE 01	66	25	.1	.1	.1	.2	.2	.4	.5	.8	1.2	2.1	3.[illegible]	.7	.4	3.14
	67	26	.0	.1	.2	.3	.4	.5	.9	1.2	2.1	2.9	4.[illegible]	1.1	.6	3.33
	66 67	51	.0	.1	.1	.2	.4	.5	.7	1.0	1.5	2.3	4.[illegible]	.9	.5	3.23
MISSISSIPPI JACKSON COUNTY SITE 01	66	26	.0	.0	.0	.1	.1	.1	.1	.1	[illegible]	.5	2.[illegible]	[illegible]	.1	2.24
	67	25	.0	.0	.0	.0	.1	.1	.1	.1	[illegible]	1.[illegible]	1.7	[illegible]	.2	2.58
	66 67	51	.0	.0	.0	.1	.1	.1	.1	.2	[illegible]	[illegible]	2.[illegible]	[illegible]	.2	2.41
MISSOURI SHANNON COUNTY SITE 01	66	24	.0	.1	.1	.1	.1	.1	.2	.2	[illegible]	[illegible]	2.[illegible]	[illegible]	.2	2.53
	67	24	.0	.1	.1	.2	.3	.4	[illegible]	[illegible]	[illegible]	1.[illegible]	2.[illegible]	[illegible]	.4	2.88
	66 67	48	.0	.1	.1	.1	.2	.2	[illegible]	[illegible]	[illegible]	1.[illegible]	2.[illegible]	[illegible]	.3	2.71
MONTANA GLACIER NAT PK SITE 01	66	24	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1	1.26
	67	25	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	.5	.1	.1	1.57
	66 67	49	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.5	.1	.1	1.43
NEBRASKA THOMAS COUNTY SITE 01	66	26	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.5	.1	.1	1.42
	67	25	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.5	.1	.1	1.43
	66 67	51	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.5	.1	.1	1.43
NEVADA WHITE PINE COUNTY SITE 01	66	22	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.3	.1	.1	1.41
	67	23	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.4	.1	.1	1.34
	66 67	45	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.4	.1	.1	1.38

*Data contributed by state or local agency.

Table 4-2 (continued). AMMONIUM, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
NEW HAMPSHIRE COOS COUNTY SITE 01	66	26	.1	.1	.1	.1	.2	.2	.2	.3	.5	1.1	1.9	.4	.2	2.54
	67	26	.0	.1	.1	.1	.2	.2	.3	.5	1.2	1.6	3.7	.6	.3	3.17
	66 67	52	.0	.1	.1	.1	.2	.2	.2	.4	.6	1.6	3.7	.5	.3	2.85
NEW MEXICO RIO ARRIBA COUNTY SITE 01	66	24	.1	.1	.2	.2	.2	.2	.2	.2	.2	.3	.4	.2	.2	1.41
	67	23	.0	.0	.1	.1	.1	.1	.2	.2	.2	.3	.4	.1	.1	1.58
	66 67	47	.0	.1	.1	.1	.2	.2	.2	.2	.2	.3	.4	.2	.2	1.50
NEW YORK JEFFERSON COUNTY SITE 01	66	26	.1	.1	.2	.2	.2	.3	.5	1.0	1.8	3.0	5.3	.9	.5	3.22
	67	26	.1	.1	.2	.2	.3	.4	.8	.9	1.8	2.2	5.4	1.0	.5	3.41
	66 67	52	.1	.1	.2	.2	.3	.4	.6	.9	1.8	2.2	5.4	1.0	.5	3.31
NORTH CAROLINA CAPE HATTERAS SITE 01	66	23	.0	.0	.1	.1	.1	.1	.1	.1	.3	.5	1.8	.2	.1	2.18
	67	23	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.5	.1	.1	1.46
	66 67	46	.0	.0	.0	.0	.1	.1	.1	.1	.1	.4	1.8	.2	.1	1.85
OKLAHOMA CHEROKEE COUNTY SITE 01	66	26	.0	.1	.1	.1	.1	.1	.2	.5	.6	.9	1.3	.3	.2	2.61
	67	25	.0	.0	.0	.0	.1	.1	.2	.4	.7	1.0	3.3	.4	.2	2.82
	66 67	51	.0	.0	.0	.1	.1	.1	.2	.5	.6	.9	3.3	.4	.2	2.72
OREGON CURRY COUNTY SITE 01	66	24	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	1.6	.2	.1	1.88
	67	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
	66 67	49	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	1.6	.1	.0	1.56
PENNSYLVANIA CLARION COUNTY SITE 01	66	24	.1	.1	.2	.2	.3	.4	.7	.9	1.3	3.2	7.1	1.0	.5	3.25
	67	24	.0	.1	.1	.3	.5	.9	1.0	1.7	2.2	3.7	4.9	1.3	.7	3.71
	66 67	48	[illegible]	.1	.2	.2	.3	.5	.9	1.1	1.9	3.7	7.1	1.2	.6	3.48
RHODE ISLAND WASHINGTON COUNTY SITE 01	66	23	.1	.2	.2	.2	.3	.3	.6	1.1	1.3	2.1	6.5	1.0	.5	3.11
	67	24	.1	.1	.2	.4	.5	.6	1.0	1.6	2.5	4.3	6.1	1.5	.7	3.49
	66 67	47	.1	.1	.2	.3	.4	.5	.9	1.2	1.9	3.4	6.5	1.3	.6	3.30
SOUTH CAROLINA RICHLAND COUNTY SITE 01	66	26	.1	.1	.1	.2	.3	.4	.5	.7	.7	1.3	4.3	.6	.4	2.71
	67	25	.0	.1	.1	.1	.1	.1	.2	.2	.3	.4	.7	.2	.2	1.90
	66 67	51	.0	.1	.1	.1	.2	.2	.3	.4	.6	.7	4.3	.4	.3	2.31
SOUTH DAKOTA BLACK HILLS NAT FOR SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.15
	67	25	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	1.00
	66 67	50	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.1	.0	1.10
TEXAS MATAGORDA COUNTY SITE 01	66	23	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.5	.1	.1	1.59
	67	25	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	1.6	.1	.1	2.02
	66 67	48	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	1.6	.1	.1	1.81
VERMONT ORANGE COUNTY SITE 01	66	26	.0	.1	.1	.1	.1	.2	.2	.2	.9	1.4	1.6	.4	.2	2.84
	67	25	.1	.2	.3	.4	.5	.6	1.0	1.3	1.6	2.2	6.3	1.1	.7	2.76
	66 67	51	.0	.1	.1	.2	.2	.3	.5	1.0	1.3	1.6	6.3	.8	.4	2.80
VIRGINIA SHENANDOAH NAT PK SITE 01	66	25	.1	.1	.1	.1	.1	.2	.2	.5	.6	.9	1.9	.4	.2	2.57
	67	26	.1	.1	.1	.2	.3	.5	.6	.9	1.0	3.0	4.4	.9	.5	3.39
	66 67	51	.1	.1	.1	.1	.2	.3	.5	.6	.9	1.9	4.4	.7	.3	2.98
WISCONSIN DOOR COUNTY SITE 01	67	20	.0	.1	.1	.1	.1	.1	.1	.2	.4	.6	1.9	.3	.2	2.41
WYOMING YELLOWSTONE PARK SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	1.00
	67	26	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	1.00
	66 67	51	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	1.00

*Data contributed by state or local agency.

Table 4-3. FLUORIDES, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., μg/m³
		Collected	Above detect. quan.	
ALABAMA BIRMINGHAM SITE 01	66	25	16	1.25
GADSDEN SITE 01	66	26	1	.07
HUNTSVILLE SITE 01	67	26	1	.07
MOBILE SITE 01	66	26	0	
MONTGOMERY SITE 01	67	26	4	.47
ALASKA ANCHORAGE SITE 02	66	20	2	.13
FAIRBANKS SITE 01	67	23	3	.13
ARIZONA MARICOPA COUNTY SITE 01	66	26	1	.06
	67	26	0	
	66 67	52	1	.06
PHOENIX SITE 02	66	24	0	
	67	26	3	.06
	66 67	50	3	.06
TUCSON SITE 01	66	25	4	.09
	67	24	4	.08
	66 67	49	8	.09
ARKANSAS LITTLE ROCK SITE 01	66	26	2	.05
	67	25	3	.21
	66 67	51	5	.21
WEST MEMPHIS SITE 01	66	25	0	
CALIFORNIA BURBANK SITE 02	66	26	0	
GLENDALE SITE 01	67	26	0	
LONG BEACH SITE 01	67	25	0	
LOS ANGELES SITE 01	66	26	1	.08
	67	25	0	
	66 67	51	1	.08
OAKLAND SITE 01	66	25	0	
	67	25	0	
	66 67	50	0	
PASADENA SITE 01	66	25	0	
SAN DIEGO SITE 01	66	25	0	
	67	23	0	
	66 67	48	0	
SAN FRANCISCO SITE 01	66	26	0	
	67	24	0	
	66 67	50	0	
COLORADO DENVER SITE 01	66	25	6	.11
	67	26	12	.23
	66 67	51	18	.23
CONNECTICUT HARTFORD SITE 01	66	26	0	
	67	24	0	
	66 67	50	0	
NEW HAVEN SITE 01	66	25	0	
	67	26	0	
	66 67	51	0	
DELAWARE NEWARK SITE 01	66	25	2	.20
	67	26	1	.38
	66 67	51	3	.38
WILMINGTON SITE 01	66	24	7	.19
	67	21	6	.31
	66 67	45	13	.31
DC WASHINGTON SITE 01	66	25	0	
	67	26	0	
	66 67	51	0	
GEORGIA ATLANTA SITE 01	66	23	3	.12
	67	26	2	.47
	66 67	49	5	.47
HAWAII HONOLULU SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
IDAHO BOISE SITE 01	66	25	0	
	67	24	0	
	66 67	49	0	
ILLINOIS CHICAGO SITE 01	66	26	13	.42
	67	76	7	.20
	66 67	52	20	.42
EAST ST LOUIS SITE 01	67	23	8	1.74
ROCKFORD SITE 01	67	26	1	.07

Table 4-3 (continued). FLUORIDES, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., µg/m³
		Collected	Above detect. quan.	
SPRINGFIELD SITE 01	67	23	1	.15
INDIANA EAST CHICAGO SITE 01	66	26	17	.54
	67	25	22	.45
	66 67	51	39	.54
HAMMOND SITE 01	66	23	8	.52
	67	22	10	1.03
	66 67	45	18	1.03
INDIANAPOLIS SITE 01	66	25	0	
	67	22	0	
	66 67	47	0	
MUNCIE SITE 01	66	24	0	
	67	22	1	.06
	66 67	46	1	.06
NEW ALBANY SITE 02	66	24	6	.21
SOUTH BEND SITE 01	66	24	2	.29
	67	24	0	
	66 67	48	2	.29
TERRE HAUTE SITE 01	67	22	0	
IOWA CEDAR RAPIDS SITE 01	67	25	0	
DAVENPORT SITE 01	66	25	3	.08
DES MOINES SITE 01	66	25	7	.08
	67	25	6	.24
	66 67	50	13	.24
DUBUQUE SITE 01	66	26	1	.18
	67	25	0	
	66 67	51	1	.18
KANSAS KANSAS CITY SITE 01	66	23	3	.17
TOPEKA SITE 01	67	26	2	.06
WICHITA SITE 01	66	25	2	.08
	67	25	0	
	66 67	50	2	.08
KENTUCKY ASHLAND SITE 01	66	24	6	.39
COVINGTON SITE 01	66	25	1	.08
	67	25	0	
	66 67	50	1	.08
LEXINGTON SITE 01	67	26	0	
LOUISVILLE SITE 01	66	25	6	.53
	67	26	10	.34
	66 67	51	16	.53
LOUISIANA NEW ORLEANS SITE 02	66	26	4	.50
	67	26	7	.27
	66 67	52	11	.50
MARYLAND BALTIMORE SITE 01	66	26	12	.61
	67	25	10	.40
	66 67	51	22	.61
MICHIGAN DETROIT SITE 01	66	26	13	.57
	67	23	9	.40
	66 67	49	22	.57
FLINT SITE 01	67	25	0	
GRAND RAPIDS SITE 01	67	25	3	.17
MINNESOTA DULUTH SITE 01	66	26	2	.06
MINNEAPOLIS SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
MOORHEAD SITE 01	66	26	0	
ST. PAUL SITE 01	66	25	0	
	67	26	2	.20
	66 67	51	2	.20
MISSISSIPPI JACKSON SITE 01	66	26	2	.12
MISSOURI KANSAS CITY SITE 01	66	24	5	.23
	67	26	5	.14
	66 67	50	10	.23
ST. LOUIS SITE 01	66	24	3	.19
	67	25	2	.13
	66 67	49	5	.19
MONTANA HELENA SITE 01	66	26	1	.07
	67	26	1	.05
	66 67	52	2	.07

Table 4-3 (continued). FLUORIDES, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., μg/m3
		Collected	Above detect. quan.	
NEBRASKA				
OMAHA				
SITE 01	66	25	0	
	67	26	1	.06
	66 67	51	1	.06
NEVADA				
LAS VEGAS				
SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
NEVADA				
RENO				
SITE 01	67	25	0	
NEW HAMPSHIRE				
CONCORD				
SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
NEW JERSEY				
BAYONNE				
SITE 01	67	23	0	
BURLINGTON COUNTY				
SITE 02	66	26	0	
	67	26	1	.25
	66 67	52	1	.25
CAMDEN				
SITE 01	66	25	4	.20
GLASSBORO				
SITE 01	66	26	1	.05
	67	26	0	
	66 67	52	1	.05
JERSEY CITY				
SITE 01	66	23	0	
	67	25	0	
	66 67	48	0	
NEWARK				
SITE 01	66	25	0	
	67	25	0	
	66 67	50	0	
PATERSON				
SITE 01	67	25	0	
PERTH AMBOY				
SITE 01	67	25	0	
TRENTON				
SITE 01	66	21	1	.10
NEW MEXICO				
ALBUQUERQUE				
SITE 01	66	24	0	
	67	26	5	.11
	66 67	50	5	.11
NEW YORK				
NEW YORK CITY				
SITE 01	66	24	0	
	67	21	0	
	66 67	45	0	
NORTH CAROLINA				
CHARLOTTE				
SITE 01	66	26	0	
	67	25	0	
	66 67	51	0	
OHIO				
AKRON				
SITE 01	66	25	5	.19
	67	26	2	.09
	66 67	51	7	.19
CINCINNATI				
SITE 01	66	25	3	.10
	67	25	2	.16
	66 67	50	5	.16
CLEVELAND				
SITE 01	66	26	11	.17
	67	26	7	.36
	66 67	52	18	.36
COLUMBUS				
SITE 01	66	25	3	.12
	67	26	0	
	66 67	51	3	.12
DAYTON				
SITE 01	66	26	4	.24
	67	26	2	.08
	66 67	52	6	.24
TOLEDO				
SITE 01	66	26	1	.10
	67	26	2	.16
	66 67	52	3	.16
YOUNGSTOWN				
SITE 01	66	26	15	.41
	67	26	11	.34
	66 67	52	26	.41
OKLAHOMA				
OKLAHOMA CITY				
SITE 01	66	26	0	
	67	25	1	.06
	66 67	51	1	.06
TULSA				
SITE 01	66	25	1	.08
	67	25	2	.05
	66 67	50	2	.08
OREGON				
EUGENE				
SITE 01	67	24	0	
MEDFORD				
SITE 01	67	25	0	
PORTLAND				
SITE 01	66	22	13	.83
	67	26	15	1.54
	66 67	48	28	1.54
PENNSYLVANIA				
ALLENTOWN				
SITE 01	67	25	5	.16
ALTOONA				
SITE 01	67	25	2	.09
BETHLEHEM				
SITE 01	67	25	11	.37
ERIE				
SITE 01	67	26	0	
LANCASTER				
SITE 01	66	26	1	.37
	67	24	0	
	66 67	50	1	.37

Table 4-3 (continued). FLUORIDES, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., μg/m³
		Collected	Above detect. quan.	
PHILADELPHIA SITE 01	66	24	7	.34
	67	26	11	.52
	66 67	50	18	.52
PITTSBURGH SITE 01	66	26	17	.35
	67	25	22	.80
	66 67	51	39	.80
READING SITE 01	66	25	18	1.89
	67	25	9	.76
	66 67	50	27	1.89
SCRANTON SITE 01	67	23	8	.53
WARMINSTER SITE 01	66	25	1	.08
	67	23	0	
	66 67	48	1	.08
WEST CHESTER SITE 01	67	26	0	
YORK SITE 01	67	26	1	.13
PUERTO RICO BAYAMON SITE 01	66	26	13	.35
	67	25	6	.23
	66 67	51	19	.35
CATANO SITE 01	66	24	1	.18
GUAYANILLA SITE 01	66	25	0	
	67	23	0	
	66 67	48	0	
PONCE SITE 01	66	26	7	.54
	67	24	9	.47
	66 67	50	16	.54
RHODE ISLAND EAST PROVIDENCE SITE 01	67	26	0	
PROVIDENCE SITE 01	66	24	2	.07
	67	23	0	
	66 67	47	2	.07
SOUTH CAROLINA COLUMBIA SITE 01	66	23	0	
	67	26	1	.08
	66 67	49	1	.08
SOUTH CAROLINA GREENVILLE SITE 01	66	26	0	
SOUTH DAKOTA SIOUX FALLS SITE 01	66	26	0	
TENNESSEE CHATTANOOGA SITE 01	66	23	9	.70
	67	22	7	.40
	66 67	45	16	.70
KNOXVILLE SITE 01	67	24	13	1.05
MEMPHIS SITE 01	66	26	5	.28
	67	26	0	
	66 67	52	5	.28
NASHVILLE SITE 01	66	24	16	.84
	67	25	13	1.20
	66 67	49	29	1.20
TEXAS DALLAS SITE 01	66	24	3	.08
HOUSTON SITE 01	66	26	5	.13
	67	25	8	.62
	66 67	51	13	.62
PASADENA SITE 01	67	24	3	.51
SAN ANTONIO SITE 01	66	25	4	.13
	67	25	0	
	66 67	50	4	.13
UTAH OGDEN SITE 01	66	24	1	.05
SALT LAKE CITY SITE 01	66	24	9	.14
	67	25	5	.16
	66 67	49	14	.16
VERMONT BURLINGTON SITE 01	66	25	0	
VIRGINIA DANVILLE SITE 01	66	23	0	
HAMPTON SITE 01	67	26	1	.24
LYNCHBURG SITE 01	67	26	1	.11
NORFOLK SITE 01	66	26	2	.38
	67	25	4	.32
	66 67	51	6	.38
PORTSMOUTH SITE 01	67	26	5	.19
RICHMOND SITE 01	67	26	0	
ROANOKE SITE 01	67	25	3	.29

Table 4-3 (continued). FLUORIDES, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., µg/m³
		Collected	Above detect. quan.	
WASHINGTON SEATTLE SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
WEST VIRGINIA CHARLESTON SITE 01	66	22	4	.45
	67	26	1	.23
	66 67	48	5	.45
WISCONSIN KENOSHA SITE 01	67	26	0	
MADISON SITE 01	67	26	0	
WISCONSIN MILWAUKEE SITE 01	66	26	4	.24
	67	26	4	.13
	66 67	52	8	.24
WYOMING CASPER SITE 01	67	26	0	
CHEYENNE SITE 01	66	26	0	
	67	24	0	
	66 67	50	0	

Table 4-4. FLUORIDES, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., µg/m³
		Collected	Above detect. quan.	
ARIZONA GRAND CANYON NAT PK SITE 01	66	25	0	
	67	25	0	
	66 67	50	0	
ARKANSAS MONTGOMERY COUNTY SITE 01	66	25	1	.05
	67	25	0	
	66 67	50	1	.05
CALIFORNIA HUMBOLDT COUNTY SITE 01	66	24	0	
	67	25	0	
	66 67	49	0	
COLORADO MESA VERDE NAT PK SITE 01	66	25	0	
	67	24	0	
	66 67	49	0	
DELAWARE KENT COUNTY SITE 01	66	25	0	
	67	25	0	
	66 67	50	0	
IDAHO BUTTE COUNTY SITE 01	67	25	0	
INDIANA MONROE COUNTY SITE 01	66	22	0	
	67	24	0	
	66 67	46	0	
PARKE COUNTY SITE 01	66	25	0	
	67	21	5	.10
	66 67	46	5	.10
IOWA DELAWARE COUNTY SITE 01	66	23	0	
MAINE ACADIA NAT PK SITE 01	66	24	0	
	67	20	0	
	66 67	44	0	
MARYLAND CALVERT COUNTY SITE 01	66	25	0	
	67	26	0	
	66 67	51	0	
MISSISSIPPI JACKSON COUNTY SITE 01	66	26	0	
	67	25	1	.08
	66 67	51	1	.08
MISSOURI SHANNON COUNTY SITE 01	66	24	0	
	67	24	0	
	66 67	48	0	
MONTANA GLACIER NAT PK SITE 01	66	24	9	.08
	67	24	0	
	66 67	48	9	.08
NEBRASKA THOMAS COUNTY SITE 01	66	26	0	
	67	25	0	
	66 67	51	0	
NEVADA WHITE PINE COUNTY SITE 01	66	22	7	.06
	67	23	0	
	66 67	45	7	.06
NEW HAMPSHIRE COOS COUNTY SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
NEW MEXICO RIO ARRIBA COUNTY SITE 01	66	24	2	.05
	67	23	0	
	66 67	47	2	.05
NEW YORK JEFFERSON COUNTY SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
NORTH CAROLINA CAPE HATTERAS SITE 01	66	23	0	
	67	23	0	
	66 67	46	0	
OKLAHOMA CHEROKEE COUNTY SITE 01	66	26	0	
	67	25	0	
	66 67	51	0	
OREGON CURRY COUNTY SITE 01	66	24	0	
	67	25	0	
	66 67	49	0	
PENNSYLVANIA CLARION COUNTY SITE 01	66	24	0	
	67	24	0	
	66 67	48	0	
RHODE ISLAND WASHINGTON COUNTY SITE 01	66	23	0	
	67	24	0	
	66 67	47	0	
SOUTH CAROLINA RICHLAND COUNTY SITE 01	66	26	1	.05
	67	25	0	
	66 67	51	1	.05

Table 4-4 (continued). FLUORIDES, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collected	Above detect. quan.	
SOUTH DAKOTA BLACK HILLS NAT FOR SITE 01	66	25	2	.09
	67	25	3	.16
	66 67	50	5	.16
TEXAS MATAGORDA COUNTY SITE 01	66	23	0	
	67	25	0	
	66 67	46	0	
VERMONT ORANGE COUNTY SITE 01	66	26	2	.09
	67	25	0	
	66 67	51	2	.03
VIRGINIA SHENANDOAH NAT PK SITE 01	66	25	0	
	67	26	0	
	66 67	51	0	
WISCONSIN DOOR COUNTY SITE 01	67	20	0	
WYOMING YELLOWSTONE PARK SITE 01	66	25	2	.07
	67	26	0	
	66 67	51	2	.07

Table 4-5. NITRATES, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA																
BIRMINGHAM SITE 01	66	25	.8	1.3	1.4	1.7	2.0	2.3	2.8	3.3	3.5	5.6	9.4	3.0	2.5	1.79
GADSDEN SITE 01	66	26	.4	.6	1.0	1.1	1.3	1.6	1.7	1.8	1.9	2.4	2.4	1.5	1.3	1.62
HUNTSVILLE SITE 01	67	26	.1	.1	.4	.6	.9	.9	1.4	1.7	1.7	2.3	3.8	1.2	.8	2.80
MOBILE SITE 01	66	26	.5	.8	.9	.9	1.0	1.0	1.2	1.3	1.4	1.7	2.8	1.2	1.1	1.46
MONTGOMERY SITE 01	67	26	.0	.1	.5	.6	1.0	1.1	1.3	1.6	1.6	1.8	2.0	1.1	.8	2.73
ALASKA																
ANCHORAGE SITE 02	66	20	.1	.1	.2	.2	.3	.3	.4	.4	.5	.7	.8	.4	.3	1.81
FAIRBANKS SITE 01	67	23	.0	.2	.3	.3	.4	.6	.7	.7	.9	1.0	2.3	.6	.5	2.14
ARIZONA																
MARICOPA COUNTY SITE 01	66	26	.3	.5	.7	1.0	1.2	1.3	1.4	1.4	1.5	1.7	2.2	1.2	1.1	1.66
	67	26	.3	1.2	1.2	1.5	1.7	1.8	1.9	2.1	2.3	2.6	3.7	1.8	1.7	1.62
	66 67	52	.3	.7	1.1	1.2	1.3	1.4	1.6	1.8	2.0	2.3	3.7	1.5	1.3	1.64
PHOENIX SITE 02	66	24	.6	1.4	1.7	1.9	2.3	2.5	2.6	2.7	3.2	4.7	6.0	2.6	2.3	1.71
	67	26	.8	1.4	1.7	1.9	2.1	2.3	2.7	3.4	3.8	5.3	8.4	2.9	2.5	1.66
	66 67	50	.6	1.4	1.7	1.9	2.1	2.4	2.6	2.9	3.7	4.7	8.4	2.8	2.4	1.68
TUCSON SITE 01	66	25	.8	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.5	1.8	2.6	1.3	1.3	1.29
	67	24	.6	.9	1.1	1.4	1.5	1.6	1.8	1.9	2.1	2.7	3.2	1.7	1.6	1.49
	66 67	49	.6	.9	1.1	1.1	1.3	1.3	1.5	1.7	1.9	2.2	3.2	1.5	1.4	1.40
ARKANSAS																
LITTLE ROCK SITE 01	66	26	.3	.6	1.4	1.6	1.6	1.7	2.1	2.2	2.4	2.7	3.8	1.8	1.6	1.82
	67	25	.3	1.1	1.1	1.3	1.5	1.6	1.8	2.4	2.7	2.8	3.0	1.8	1.6	1.67
	66 67	51	.3	.9	1.1	1.5	1.6	1.7	2.1	2.2	2.6	2.7	3.8	1.8	1.6	1.75
WEST MEMPHIS SITE 01	66	25	.3	.3	.6	.9	1.1	1.2	1.3	1.5	2.0	2.1	2.8	1.3	1.1	1.89
CALIFORNIA																
BURBANK SITE 02	66	26	1.0	1.7	2.1	2.6	3.1	3.3	4.0	5.1	5.7	6.4	8.8	3.9	3.4	1.72
GLENDALE SITE 01	67	26	1.2	1.6	2.4	2.5	2.8	3.1	3.5	4.9	5.3	7.2	9.1	3.8	3.3	1.70
LONG BEACH SITE 01	67	25	.6	1.3	1.6	1.9	3.2	4.0	4.2	6.2	6.8	12.1	14.0	4.8	3.5	2.32
LOS ANGELES SITE 01	66	26	1.1	2.2	3.0	3.4	4.2	4.9	5.9	6.6	7.3	8.5	10.3	5.2	4.5	1.81
	67	25	1.4	2.0	2.0	3.0	3.7	4.3	4.4	5.0	6.0	7.0	8.0	4.3	3.8	1.64
	66 67	51	1.1	2.0	2.7	3.4	3.9	4.4	5.0	6.0	6.8	7.4	10.3	4.8	4.2	1.73
OAKLAND SITE 01	66	25	.6	.8	1.0	1.1	1.2	1.9	2.3	3.1	3.2	4.0	6.7	2.3	1.8	1.94
	67	25	1.0	1.8	2.4	2.6	2.9	4.1	4.8	5.2	5.4	10.1	11.3	4.7	4.0	1.87
	66 67	50	.6	1.0	1.2	1.8	2.3	2.7	3.2	4.0	5.2	6.7	11.3	3.5	2.7	1.90
PASADENA SITE 01	66	25	.6	1.5	2.6	2.8	2.9	3.4	3.6	4.3	4.7	6.6	9.1	3.8	3.3	1.83
SAN DIEGO SITE 01	66	25	.3	1.2	1.4	2.1	2.2	2.6	2.7	3.1	3.7	4.9	6.3	2.7	2.3	1.94
	67	24	.2	.3	1.0	1.6	2.2	2.8	3.3	4.0	4.9	6.0	8.3	3.1	2.1	2.82
	66 67	49	.2	.6	1.2	1.7	2.2	2.7	2.9	3.7	4.6	5.5	8.3	2.9	2.2	2.39
SAN FRANCISCO SITE 01	66	26	.4	.5	.7	.7	1.1	1.1	1.6	2.1	2.9	4.8	8.0	2.0	1.4	2.32
	67	25	.8	.7	.8	1.2	1.5	1.9	2.0	4.4	5.9	9.6	10.5	3.5	2.3	2.56
	66 67	51	.4	.6	.7	1.1	1.2	1.6	2.0	2.9	4.4	7.0	10.5	2.8	1.8	2.44

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
COLORADO DENVER SITE 01	66	25	.4	.6	.7	.8	.8	.9	1.0	1.4	2.2	3.1	5.8	1.4	1.1	1.92
	67	26	.6	1.1	1.2	1.3	1.4	1.5	1.9	2.2	2.7	3.5	4.5	1.9	1.7	1.60
	66 67	51	.4	.7	.8	.9	1.2	1.3	1.5	1.9	2.3	3.1	5.8	1.7	1.4	1.77
CONNECTICUT HARTFORD SITE 01	66	26	.5	.7	.7	.8	.9	1.1	1.2	1.5	1.7	1.9	2.8	1.2	1.1	1.60
	67	26	.1	.4	.7	.9	1.1	1.2	1.3	2.8	4.1	6.6	17.5	2.7	1.4	3.19
	66 67	52	.1	.5	.7	.8	.9	1.1	1.3	1.7	1.9	4.1	17.5	2.0	1.2	2.42
NEW HAVEN SITE 01	66	25	.3	.4	.5	.6	.8	1.0	1.0	1.2	1.5	1.8	2.8	1.1	.9	1.83
	67	26	.0	.2	.3	.4	.6	.6	.8	1.3	1.5	2.6	3.3	1.0	.7	2.61
	66 67	51	.0	.3	.4	.5	.6	.8	1.0	1.2	1.5	2.5	3.3	1.1	.8	2.23
DELAWARE NEWARK SITE 01	66	25	.1	.3	.4	.5	.6	.7	.9	1.0	1.0	1.4	2.2	.8	.7	1.89
	67	26	.1	.3	.5	.6	.7	.8	1.1	1.2	1.4	1.5	2.5	.9	.8	2.18
	66 67	51	.1	.3	.5	.6	.6	.8	1.0	1.1	1.3	1.5	2.5	.9	.7	2.04
WILMINGTON SITE 01	66	24	.4	.5	.8	1.0	1.3	1.4	1.7	1.8	2.1	3.2	3.8	1.3	1.3	1.87
	67	21	.4	.9	1.0	1.2	1.7	1.9	2.2	2.4	2.7	3.4	6.1	2.1	1.7	1.90
	66 67	45	.4	.6	.9	1.0	1.3	1.7	1.8	2.1	2.4	3.4	6.1	1.8	1.5	1.89
DC WASHINGTON SITE 01	66	25	1.0	1.1	1.4	1.6	1.6	1.7	1.8	1.9	2.1	2.7	3.9	1.8	1.7	1.37
	67	26	.7	1.0	1.2	1.3	1.5	1.6	2.0	2.3	2.4	3.4	3.8	1.9	1.7	1.55
	66 67	51	.7	1.1	1.3	1.5	1.6	1.7	1.9	2.1	2.3	2.7	3.9	1.9	1.7	1.46
GEORGIA ATLANTA SITE 01	66	23	.4	.8	1.0	1.3	1.6	1.6	1.8	1.9	2.3	2.9	4.4	1.7	1.5	1.80
	67	26	.7	.8	1.1	1.3	1.7	1.9	2.2	2.7	3.6	4.6	5.2	2.3	1.9	1.83
	66 67	49	.4	.8	1.0	1.3	1.6	1.8	1.9	2.3	2.9	4.4	5.2	2.0	1.7	1.82
HAWAII HONOLULU SITE 01	66	26	.1	.2	.2	.3	.4	.5	.5	.8	.9	2.1	8.5	1.0	.5	2.79
	67	26	.2	.3	.3	.4	.4	.4	.6	.9	1.2	1.5	2.1	.7	.6	2.00
	66 67	52	.1	.2	.3	.3	.4	.4	.5	.8	1.1	1.5	8.5	.9	.5	2.40
IDAHO BOISE SITE 01	66	25	.2	.5	.5	.6	.7	.8	.9	1.2	1.3	1.8	2.8	1.0	.8	1.85
	67	25	.5	.5	.6	.8	.8	.9	1.0	1.1	1.2	1.5	1.8	1.0	.9	1.44
	66 67	50	.2	.5	.6	.7	.8	.9	.9	1.1	1.3	1.5	2.8	1.0	.9	1.66
ILLINOIS CHICAGO SITE 01	66	26	.1	.3	.5	.9	1.2	1.6	1.7	2.1	2.7	3.5	4.5	1.7	1.2	2.66
	67	26	.4	.5	.7	.9	1.0	1.4	1.6	1.7	1.9	2.3	6.3	1.5	1.2	1.90
	66 67	52	.1	.4	.6	.9	1.2	1.4	1.6	1.8	2.2	3.2	6.3	1.6	1.2	2.29
EAST ST LOUIS SITE 01	67	23	1.0	1.3	1.4	1.6	1.8	1.9	2.1	2.6	2.6	3.2	4.4	2.1	2.0	1.44
ROCKFORD SITE 01	67	26	.6	.7	.8	.9	1.0	1.1	1.3	1.7	1.9	2.3	4.8	1.4	1.2	1.64
SPRINGFIELD SITE 01	67	23	.5	.7	1.0	1.4	2.0	2.1	2.3	2.7	2.9	3.0	4.0	2.1	1.8	1.79
INDIANA EAST CHICAGO SITE 01	66	26	.5	.7	.8	1.6	2.2	2.4	3.1	3.6	4.5	6.2	8.8	2.9	2.3	2.20
	67	25	.6	1.2	1.3	1.5	1.6	2.1	2.2	2.4	3.0	3.3	5.2	2.2	1.9	1.72
	66 67	51	.5	.8	1.3	1.5	1.9	2.2	2.4	3.1	3.5	5.0	8.8	2.6	2.1	1.97
HAMMOND SITE 01	66	24	.4	.6	.9	1.1	1.3	1.4	1.5	2.1	2.8	4.9	6.2	2.0	1.5	2.09
	67	22	.6	1.0	1.2	1.7	1.9	2.2	2.4	3.6	3.9	4.8	8.4	2.8	2.2	1.97
	66 67	46	.4	.7	1.0	1.2	1.4	1.8	2.2	2.5	3.7	4.9	8.4	2.4	1.9	2.03
INDIANAPOLIS SITE 01	66	25	1.0	1.3	1.4	1.7	1.7	1.9	2.1	2.4	2.7	3.0	5.2	2.1	2.0	1.46
	67	22	.2	1.4	1.8	2.0	2.0	2.4	2.6	2.9	3.0	4.5	5.3	2.5	2.2	1.96
	66 67	47	.2	1.3	1.7	1.8	1.9	2.1	2.4	2.6	2.9	4.1	5.3	2.3	2.1	1.73
MUNCIE SITE 01	66	24	.2	.8	1.1	1.6	1.7	1.9	2.1	2.3	2.7	2.9	4.0	1.9	1.6	1.96
	67	22	1.3	1.4	1.4	1.5	1.7	2.1	2.3	2.3	2.8	3.9	7.2	2.4	2.1	1.53
	66 67	46	.2	1.1	1.4	1.5	1.7	2.0	2.2	2.3	2.7	3.1	7.2	2.2	1.9	1.75

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³														Std geo dev'
				Frequency distribution - percentile													
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
NEW ALBANY SITE 02	66	24	.1	.5	1.3	2.0	2.3	2.4	2.6	2.7	4.1	5.2	9.8	2.8	2.0	2.64
SOUTH BEND SITE 01	66	24	.5	.6	.6	.8	1.0	1.1	1.5	1.8	2.5	2.6	3.2	1.5	1.2	1.81
	67	24	.2	.5	.6	.9	1.0	1.2	1.5	1.7	2.1	2.6	5.1	1.5	1.2	2.07
	66 67	48	.2	.6	.6	.9	1.0	1.1	1.5	1.8	2.1	2.6	5.1	1.5	1.2	1.94
TERRE HAUTE SITE 01	67	22	.3	.6	.8	1.2	1.2	1.4	1.7	1.9	2.1	2.2	2.7	1.5	1.3	1.74
IOWA CEDAR RAPIDS SITE 01	67	25	.0	.0	.1	.7	1.2	1.5	1.7	2.1	2.4	3.2	6.9	1.7	.9	4.11
DAVENPORT SITE 01	66	25	.7	1.1	1.5	1.7	1.9	2.1	2.4	2.8	3.1	4.1	5.2	2.4	2.1	1.60
DES MOINES SITE 01	66	25	.3	.5	.9	1.0	1.1	1.7	1.9	2.4	2.6	2.8	3.8	1.7	1.4	1.97
	67	25	.7	1.0	1.0	1.5	1.6	1.7	2.1	2.4	2.5	3.5	4.6	2.0	1.8	1.63
	66 67	50	.3	.7	1.0	1.1	1.5	1.7	2.0	2.4	2.6	2.9	4.6	1.9	1.6	1.81
DUBUQUE SITE 01	66	26	.5	.8	.9	1.0	1.1	1.1	1.4	1.5	1.7	2.4	2.8	1.3	1.2	1.50
	67	25	.4	.7	1.0	1.1	1.3	1.6	1.8	2.2	2.3	3.4	9.0	2.0	1.6	1.97
	66 67	51	.4	.7	.9	1.0	1.1	1.4	1.5	1.8	2.2	2.6	9.0	1.7	1.4	1.75
KANSAS KANSAS CITY SITE 01	66	23	.4	.9	1.2	1.5	1.7	1.7	1.9	2.3	2.6	3.6	5.2	2.0	1.7	1.75
TOPEKA SITE 01	67	26	.5	.5	.7	1.0	1.3	1.3	1.8	1.9	2.2	2.3	2.6	1.5	1.3	1.74
WICHITA SITE 01	66	25	.3	.6	1.0	1.1	1.3	1.6	1.7	1.9	2.1	3.2	3.5	1.6	1.4	1.88
	67	25	.2	.6	.7	1.0	1.3	1.4	1.5	1.8	1.8	2.2	2.8	1.4	1.2	1.81
	66 67	50	.2	.6	.9	1.1	1.3	1.5	1.6	1.8	1.9	2.3	3.5	1.5	1.3	1.85
KENTUCKY ASHLAND SITE 01	66	24	.1	.5	1.1	1.2	1.3	1.7	2.2	2.5	3.5	4.3	9.4	2.3	1.6	2.59
COVINGTON SITE 01	66	25	.2	.5	.6	.9	1.1	1.3	1.4	1.5	1.9	2.6	3.7	1.4	1.1	2.01
	67	25	.5	.5	.7	1.0	1.0	1.2	1.3	1.5	1.6	2.0	3.8	1.3	1.2	1.63
	66 67	50	.2	.5	.7	.9	1.1	1.2	1.3	1.5	1.8	2.4	3.8	1.4	1.2	1.83
LEXINGTON SITE 01	67	26	.2	.6	.9	1.2	1.5	1.6	1.9	2.4	2.5	2.9	7.8	1.9	1.4	2.25
LOUISVILLE SITE 01	66	25	.7	1.0	1.4	2.0	2.2	2.5	2.8	3.1	4.0	4.6	6.9	2.8	2.4	1.78
	67	26	.2	1.1	1.2	1.3	1.7	1.9	2.3	2.5	2.8	3.3	6.1	2.1	1.8	1.89
	66 67	51	.2	1.1	1.3	1.7	2.0	2.2	2.5	2.8	3.1	4.1	6.9	2.5	2.1	1.83
LOUISIANA NEW ORLEANS SITE 02	66	26	.2	1.1	1.3	1.3	1.7	1.9	2.0	2.5	2.6	3.8	7.0	2.2	1.8	1.93
	67	26	.9	1.6	1.8	2.0	2.0	2.2	2.9	4.0	4.2	5.6	7.1	3.1	2.7	1.67
	66 67	52	.2	1.2	1.5	1.7	1.9	2.0	2.5	2.9	3.8	5.0	7.1	2.7	2.2	1.80
MARYLAND BALTIMORE SITE 01	66	26	.8	1.4	1.7	1.9	2.0	2.2	2.3	2.7	3.0	3.8	5.5	2.4	2.2	1.50
	67	25	.8	1.0	1.1	1.5	1.7	1.8	2.0	2.4	3.0	3.1	6.2	2.1	1.9	1.64
	66 67	51	.8	1.1	1.5	1.7	1.9	2.0	2.3	2.5	3.0	3.6	6.2	2.3	2.1	1.57
MICHIGAN DETROIT SITE 01	66	26	.9	1.3	1.9	2.5	2.7	3.1	3.8	4.1	5.0	7.6	9.3	3.7	3.1	1.87
	67	23	.5	1.0	1.2	1.3	1.9	2.8	3.1	3.7	4.3	4.8	6.3	2.8	2.2	2.02
	66 67	49	.5	1.0	1.3	1.9	2.6	2.8	3.4	3.8	4.7	6.3	9.3	3.3	2.6	1.95
FLINT SITE 01	67	25	.2	.6	.9	1.1	1.1	1.7	1.9	2.0	2.3	2.9	9.8	2.0	1.5	2.15
GRAND RAPIDS SITE 01	67	25	.2	.9	1.0	1.3	1.5	1.6	1.9	2.1	2.8	4.3	5.4	2.0	1.6	2.12
MINNESOTA DULUTH SITE 01	66	26	.1	.2	.2	.3	.4	.5	.8	1.1	1.3	2.1	3.5	.9	.6	2.65

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3														Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MINNEAPOLIS SITE 01	66	26	.1	.2	.5	.6	.7	.8	.9	1.4	1.8	1.9	2.2	1.0	.8	2.19
	67	26	.2	.4	.8	.9	1.1	1.5	1.7	2.0	2.7	2.9	5.2	1.7	1.3	2.18
	66 67	52	.1	.4	.6	.7	.9	1.0	1.5	1.8	1.9	2.7	5.2	1.4	1.0	2.18
MOORHEAD SITE 01	66	26	.2	.3	.3	.3	.4	.5	.5	.6	.7	1.2	1.8	.6	.5	1.72
ST. PAUL SITE 01	66	25	.4	.5	.5	.8	.9	1.3	1.4	1.8	2.0	2.5	6.3	1.5	1.2	1.95
	67	26	.2	.5	.8	1.0	1.5	1.5	1.9	2.1	2.6	3.7	6.6	1.9	1.4	2.33
	66 67	51	.2	.5	.7	.9	1.1	1.4	1.6	2.0	2.3	2.8	6.6	1.7	1.3	2.15
MISSISSIPPI JACKSON SITE 01	66	26	.3	.4	.8	1.0	1.1	1.2	1.3	1.8	1.8	2.2	3.0	1.3	1.2	1.76
MISSOURI KANSAS CITY SITE 01	66	24	.2	1.1	1.3	1.5	1.7	1.9	2.2	2.3	2.4	2.5	3.4	1.9	1.7	1.74
	67	26	.3	.5	1.3	1.7	1.9	2.0	2.3	2.6	3.0	3.6	4.4	2.1	1.8	1.99
	66 67	50	.2	.6	1.3	1.5	1.8	2.0	2.2	2.3	2.5	3.2	4.4	2.0	1.7	1.87
ST. LOUIS SITE 01	66	24	.1	.6	.8	1.0	1.2	1.3	2.0	2.2	2.9	3.3	3.4	1.7	1.3	2.22
	67	25	.4	.9	1.0	1.2	1.3	1.5	1.6	1.8	1.8	2.2	3.7	1.5	1.4	1.64
	66 67	49	.1	.6	1.0	1.1	1.3	1.5	1.7	1.9	2.2	3.1	3.7	1.6	1.4	1.94
MONTANA HELENA SITE 01	66	26	.0	.1	.2	.2	.3	.3	.3	.4	.5	1.2	2.0	.5	.3	2.29
	67	26	.1	.4	.5	.6	.7	.8	.9	1.0	1.1	2.0	2.9	.9	.8	2.04
	66 67	52	.0	.2	.2	.3	.4	.5	.7	.9	1.1	1.4	2.9	.7	.5	2.16
NEBRASKA OMAHA SITE 01	66	25	.1	.4	.6	.8	1.0	1.3	1.4	2.2	2.9	4.3	6.0	1.8	1.3	2.60
	67	26	.3	.6	1.0	1.2	1.5	1.6	1.9	2.2	2.3	2.9	3.3	1.7	1.5	1.84
	66 67	51	.1	.5	.8	1.0	1.3	1.5	1.7	2.2	2.8	3.2	6.0	1.8	1.4	2.23
NEVADA LAS VEGAS SITE 01	66	26	.4	.6	.9	1.0	1.3	1.3	1.4	1.5	1.8	2.4	4.3	1.5	1.3	1.71
	67	26	.4	.5	1.1	1.3	1.5	1.7	1.9	2.2	2.5	3.1	3.5	1.8	1.6	1.79
	66 67	52	.4	.6	1.0	1.1	1.3	1.4	1.6	1.9	2.3	2.7	4.3	1.7	1.4	1.75
RENO SITE 01	67	25	.3	.4	.5	.7	.9	1.2	1.2	1.6	2.1	2.6	12.8	1.7	1.1	2.29
NEW HAMPSHIRE CONCORD SITE 01	66	26	.0	.0	.1	.1	.2	.2	.2	.2	.4	.7	1.0	.3	.2	2.04
	67	26	.1	.1	.1	.1	.2	.2	.3	.6	.7	1.3	1.8	.5	.3	2.68
	66 67	52	.0	.1	.1	.1	.2	.2	.2	.4	.6	.9	1.8	.4	.2	2.36
NEW JERSEY BAYONNE SITE 01	67	23	.2	.5	.7	.8	1.0	1.2	1.4	1.8	2.0	2.4	3.0	1.3	1.1	1.89
BURLINGTON COUNTY SITE 02	66	26	.2	.3	.4	.6	.7	.7	.8	1.4	1.9	2.7	10.1	1.4	.9	2.42
	67	26	.1	.3	.5	.6	.8	.9	1.0	1.2	1.3	1.8	2.0	.9	.8	2.03
	66 67	52	.1	.3	.4	.6	.7	.8	.9	1.2	1.5	2.0	10.1	1.2	.8	2.23
CAMDEN SITE 01	66	25	.6	.9	1.2	1.5	1.6	1.7	1.8	2.0	2.6	2.9	3.6	1.8	1.7	1.58
GLASSBORO SITE 01	66	26	.3	.4	.5	.6	.8	1.1	1.3	1.6	1.7	2.0	2.6	1.1	.9	1.89
	67	26	.1	.2	.5	.7	.8	.9	1.1	1.2	1.5	1.7	2.1	1.0	.8	2.11
	66 67	52	.1	.4	.5	.6	.8	1.0	1.1	1.4	1.6	1.7	2.6	1.1	.9	2.00
JERSEY CITY SITE 01	66	23	.4	.5	.7	.8	.9	1.1	1.3	1.6	1.8	2.0	3.7	1.3	1.1	1.73
	67	25	.3	.5	.6	.8	.9	1.1	1.4	1.8	1.9	2.8	3.9	1.4	1.2	1.97
	66 67	48	.3	.5	.7	.8	.9	1.1	1.4	1.7	1.9	2.7	3.9	1.4	1.1	1.65
NEWARK SITE 01	66	25	.6	.9	1.0	1.1	1.1	1.4	1.5	1.7	1.7	1.9	2.4	1.4	1.3	1.44
	67	25	.2	.5	.8	1.1	1.3	1.6	1.7	2.1	2.6	3.6	6.4	1.9	1.5	2.19
	66 67	50	.2	.6	.9	1.1	1.3	1.5	1.6	1.7	1.9	2.6	6.4	1.7	1.4	1.84
PATERSON SITE 01	67	25	.3	.3	.4	.6	.7	1.1	1.1	1.7	1.9	2.5	2.7	1.2	1.0	2.11
PERTH AMBOY SITE 01	67	25	.1	.4	.6	.7	.8	1.0	1.0	1.3	1.5	2.3	3.2	1.1	.9	2.07

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³														Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
TRENTON SITE 01	66	21	.6	.8	.9	1.0	1.2	1.3	1.6	1.8	2.1	2.7	4.2	1.6	1.4	1.68
NEW MEXICO ALBUQUERQUE SITE 01	66	25	.1	.5	.7	.9	.9	1.0	1.1	1.3	1.9	2.9	3.3	1.3	1.0	2.13
	67	26	.8	1.0	1.1	1.1	1.3	1.4	1.6	2.1	2.4	3.1	5.3	1.8	1.6	1.60
	66 67	51	.1	.7	.9	1.0	1.1	1.2	1.4	1.9	2.3	2.9	5.3	1.6	1.3	1.88
NEW YORK NEW YORK CITY SITE 01	66	24	.4	.6	.7	1.0	1.1	1.2	1.7	1.9	2.5	4.0	6.0	1.8	1.4	2.05
	67	21	.2	.4	.6	.9	.9	1.1	1.6	1.8	2.1	2.8	3.1	1.4	1.1	2.14
	66 67	45	.2	.5	.7	.9	1.0	1.2	1.6	1.9	2.2	3.1	6.0	1.6	1.2	2.09
NORTH CAROLINA CHARLOTTE SITE 01	66	26	.7	1.3	1.8	1.9	2.0	2.2	2.5	3.1	3.3	3.6	5.6	2.5	2.3	1.54
	67	25	.4	.8	.9	1.2	1.5	1.9	2.1	2.2	2.4	3.0	4.1	1.8	1.6	1.80
	66 67	51	.4	.9	1.3	1.7	1.9	2.1	2.2	2.5	3.0	3.3	5.6	2.2	1.9	1.67
OHIO AKRON SITE 01	66	25	.4	.5	.7	1.7	1.8	1.9	2.3	2.4	2.7	3.4	7.3	2.2	1.8	2.05
	67	26	.2	.7	.9	1.1	1.2	1.2	1.6	2.1	2.7	5.4	7.5	1.9	1.5	2.16
	66 67	51	.2	.6	.9	1.2	1.4	1.7	1.9	2.4	2.7	3.4	7.5	2.1	1.6	2.10
CINCINNATI SITE 01	66	25	.3	.9	1.0	1.3	1.6	1.9	2.1	2.7	2.9	3.6	6.1	2.1	1.8	1.92
	67	25	.8	1.0	1.1	1.2	1.4	1.5	1.7	1.9	2.0	2.5	4.3	1.7	1.6	1.51
	66 67	50	.3	.9	1.1	1.2	1.5	1.6	1.9	2.1	2.5	3.3	6.1	1.9	1.7	1.73
CLEVELAND SITE 01	66	26	.3	.6	.7	.7	1.0	1.2	1.4	1.8	2.0	2.2	4.0	1.4	1.1	1.85
	67	26	.4	.6	.9	.9	1.1	1.2	1.6	1.8	2.2	3.6	4.4	1.6	1.3	1.85
	66 67	52	.3	.6	.7	.9	1.1	1.2	1.5	1.8	2.0	2.8	4.4	1.5	1.2	1.85
COLUMBUS SITE 01	66	25	.2	1.1	1.4	1.6	1.7	1.9	2.0	2.4	2.7	2.9	5.3	2.1	1.8	1.83
	67	26	.4	1.0	1.2	1.2	1.6	1.6	1.8	2.3	2.5	3.1	4.3	1.9	1.7	1.69
	66 67	51	.2	1.0	1.2	1.5	1.6	1.8	2.0	2.3	2.7	3.0	5.3	2.0	1.7	1.76
DAYTON SITE 01	66	26	.3	.5	1.0	1.5	1.8	1.9	2.0	2.5	2.6	3.8	9.1	2.2	1.7	2.12
	67	26	.4	.8	1.2	1.3	1.4	1.6	1.7	1.9	2.0	2.4	4.4	1.7	1.5	1.61
	66 67	52	.3	.7	1.2	1.4	1.6	1.7	1.9	2.0	2.4	2.9	9.1	2.0	1.6	1.87
TOLEDO SITE 01	66	26	.3	.5	.8	1.0	1.1	1.2	1.5	2.0	2.4	3.2	6.7	1.7	1.3	2.10
	67	26	.4	.6	1.2	1.3	1.4	1.7	2.1	2.7	3.9	4.5	6.4	2.3	1.8	2.05
	66 67	52	.3	.6	.9	1.1	1.3	1.4	1.9	2.2	3.1	4.0	6.7	2.0	1.6	2.07
YOUNGSTOWN SITE 01	66	26	.6	.9	1.5	1.6	1.8	1.9	2.2	2.4	3.5	4.4	6.3	2.4	2.0	1.80
	67	26	.8	1.0	1.3	1.5	1.8	1.8	2.0	2.5	2.5	4.1	5.7	2.1	1.9	1.58
	66 67	52	.6	1.0	1.4	1.6	1.8	1.9	2.1	2.4	2.6	4.1	6.3	2.3	1.9	1.69
OKLAHOMA OKLAHOMA CITY SITE 01	66	26	.3	.4	1.1	1.3	1.5	1.7	2.0	2.4	2.5	3.0	4.2	1.8	1.5	1.96
	67	25	.7	.9	1.1	1.3	1.3	1.5	1.6	1.9	1.9	2.7	3.1	1.7	1.5	1.48
	66 67	51	.3	.9	1.1	1.3	1.5	1.6	1.7	2.0	2.4	2.9	4.2	1.8	1.5	1.74
TULSA SITE 01	66	25	.2	.6	.9	1.1	1.3	1.4	1.5	1.9	2.0	2.4	3.0	1.5	1.3	1.83
	67	25	.2	.4	1.0	1.2	1.2	1.4	1.4	1.5	1.7	2.1	3.3	1.4	1.2	1.95
	66 67	50	.2	.4	1.0	1.1	1.3	1.4	1.5	1.6	1.9	2.2	3.3	1.5	1.2	1.89
OREGON EUGENE SITE 01	67	24	.2	.3	.4	.6	.6	.6	.8	1.0	1.9	2.1	3.3	1.0	.8	2.07
MEDFORD SITE 01	67	26	.2	.3	.8	.8	1.0	1.3	1.5	2.0	2.3	5.0	6.9	1.8	1.3	2.40
PORTLAND SITE 01	66	22	.2	.8	1.4	1.4	1.6	2.1	2.9	3.2	4.8	7.1	11.8	3.2	2.2	2.54
	67	26	.8	1.0	2.7	3.1	3.4	3.7	4.1	4.5	4.7	5.3	6.3	3.6	3.2	1.76
	66 67	48	.2	.8	1.4	2.1	2.9	3.1	3.7	4.4	4.8	5.5	11.8	3.4	2.6	2.16
PENNSYLVANIA ALLENTOWN SITE 01	67	25	.4	.6	1.1	2.3	2.6	2.9	3.1	3.7	4.3	5.2	11.9	3.3	2.5	2.26
ALTOONA SITE 01	67	25	.4	.7	.9	1.3	1.5	1.8	1.9	2.2	2.4	3.2	5.1	1.9	1.6	1.78

*Data contributed by state or local agency.

NOT REPRODUCIBLE

NOT REPRODUCIBLE

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³														Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
BETHLEHEM SITE 01	67	25	.4	1.0	1.3	1.9	2.1	3.3	3.6	4.9	6.0	8.8	12.9	3.9	2.9	2.29
ERIE SITE 01	67	26	.3	.7	.9	1.2	1.4	1.4	1.9	2.2	2.4	2.5	3.8	1.7	1.4	1.81
LANCASTER SITE 01	66	26	.3	.4	.7	.8	.9	1.0	1.1	1.3	1.6	2.2	4.2	1.2	1.0	1.89
	67	24	.3	.4	.5	.9	1.4	1.6	2.0	2.6	3.1	6.0	18.8	2.7	1.5	2.85
	66 67	50	.3	.4	.6	.8	1.0	1.1	1.4	1.8	2.5	3.3	18.8	2.0	1.3	2.38
PHILADELPHIA SITE 01	66	24	.5	.9	1.5	1.8	1.9	2.0	2.2	2.4	2.7	2.9	3.6	2.1	1.9	1.59
	67	25	.2	.6	.7	1.0	1.4	1.5	1.6	1.6	2.2	4.4	7.5	1.8	1.4	2.21
	66 67	49	.2	.6	.9	1.4	1.6	1.7	2.0	2.2	2.5	3.5	7.5	2.0	1.6	1.91
PITTSBURGH SITE 01	66	26	.8	1.0	1.0	1.1	1.3	1.7	2.1	3.2	3.7	3.9	4.6	2.1	1.8	1.78
	67	25	.4	.8	1.3	1.4	1.6	1.8	1.8	2.0	2.6	3.4	4.8	2.0	1.7	1.74
	66 67	51	.4	.9	1.1	1.3	1.6	1.7	2.0	2.1	3.2	3.9	4.8	2.1	1.8	1.76
READING SITE 01	66	25	.3	.9	1.2	1.2	1.4	1.8	2.0	2.1	2.8	3.4	9.4	2.1	1.7	1.92
	67	25	.2	.4	.9	1.0	1.0	1.3	1.4	2.2	2.6	6.8	21.6	2.8	1.5	2.83
	66 67	50	.2	.5	1.0	1.1	1.2	1.4	1.9	2.1	2.8	3.8	21.6	2.5	1.6	2.38
SCRANTON SITE 01	67	23	.3	.5	.5	.6	.9	1.0	1.5	2.0	2.5	3.4	6.5	1.7	1.2	2.33
WARMINSTER SITE 01	66	25	.2	.3	.4	.5	.6	.7	.8	1.0	1.2	1.5	2.9	.9	.7	1.90
	67	23	.2	.3	.4	.5	.6	.7	.9	1.2	1.3	2.0	2.2	.9	.7	1.93
	66 67	48	.2	.3	.4	.5	.6	.7	.9	1.2	1.3	1.9	2.9	.9	.7	1.92
WEST CHESTER SITE 01	67	26	.1	.2	.2	.4	.5	.6	.8	1.1	1.1	1.6	1.9	.8	.6	2.32
YORK SITE 01	67	26	.4	.7	.9	1.1	1.5	1.7	2.3	2.9	3.5	5.5	8.8	2.3	1.9	2.21
PUERTO RICO BAYAMON SITE 01	66	26	.1	.2	.4	.5	.5	.5	.6	.6	.7	.9	1.8	.6	.5	1.77
	67	25	.5	.7	.7	.7	.7	.8	.9	1.0	1.0	1.5	2.0	.9	.9	1.38
	66 67	51	.1	.4	.5	.6	.6	.7	.7	.8	1.0	1.1	2.0	.8	.7	1.59
CATANO SITE 01	66	24	.0	.0	.0	.2	.3	.3	.4	.6	1.0	1.3	2.4	.5	.3	2.68
GUAYANILLA SITE 01	66	25	.1	.1	.2	.2	.2	.2	.2	.3	.4	.5	.9	.3	.2	1.70
	67	23	.1	.2	.4	.4	.5	.6	.6	.8	.8	.9	.9	.6	.5	1.87
	66 67	48	.1	.1	.2	.2	.3	.4	.4	.5	.6	.9	.9	.5	.3	1.79
PONCE SITE 01	66	26	.0	.1	.2	.2	.3	.3	.4	.4	.4	.9	1.6	.4	.3	2.03
	67	24	.1	.5	.5	.6	.6	.7	.7	.9	1.1	1.4	1.7	.8	.7	1.75
	66 67	50	.0	.1	.2	.3	.4	.5	.6	.7	.9	1.1	1.7	.6	.5	1.90
RHODE ISLAND EAST PROVIDENCE SITE 01	67	26	.1	.2	.4	.5	.5	.5	.6	1.1	1.3	2.2	4.1	.9	.6	2.38
PROVIDENCE SITE 01	66	24	.3	.4	.5	.6	.7	1.3	1.4	1.6	1.8	2.0	4.8	1.3	1.0	1.99
	67	23	.2	.3	.4	.6	.8	.9	1.0	1.4	1.6	2.1	4.4	1.1	.9	2.15
	66 67	47	.2	.3	.5	.6	.8	.9	1.3	1.4	1.7	2.1	4.8	1.2	.9	2.07
SOUTH CAROLINA COLUMBIA SITE 01	66	23	.1	.2	.6	.7	1.1	1.2	1.2	1.4	1.6	1.9	2.6	1.2	.9	2.24
	67	26	.2	.2	.7	.9	1.0	1.1	1.2	1.4	1.8	2.4	3.7	1.2	1.0	2.11
	66 67	49	.1	.2	.6	.9	1.1	1.2	1.2	1.4	1.8	2.1	3.7	1.2	1.0	2.17
GREENVILLE SITE 01	66	26	.1	.2	.2	.3	.5	.7	1.0	1.3	1.8	2.4	2.4	1.0	.6	2.71
SOUTH DAKOTA SIOUX FALLS SITE 01	66	26	.1	.4	.6	.7	.8	1.1	1.2	1.3	1.4	1.7	2.4	1.0	.9	2.01
TENNESSEE CHATTANOOGA SITE 01	66	23	1.0	1.3	1.5	1.6	1.7	1.9	2.2	2.3	2.6	2.8	3.5	2.0	1.9	1.37
	67	22	.4	1.0	1.2	1.4	1.7	2.1	2.2	2.4	3.0	3.2	5.9	2.1	1.8	1.82
	66 67	45	.4	1.1	1.3	1.6	1.7	2.1	2.2	2.3	2.6	3.2	5.9	2.1	1.9	1.61

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
KNOXVILLE SITE 01	67	24	.5	.8	.8	1.1	1.1	1.3	1.5	1.7	2.1	2.6	2.8	1.5	1.3	1.59
MEMPHIS SITE 01	66	26	.4	.6	1.2	1.3	1.7	1.8	2.1	2.4	2.5	2.7	6.0	1.9	1.7	1.84
	67	26	.6	.9	1.1	1.2	1.4	1.5	1.6	1.9	2.8	3.1	6.3	1.9	1.6	1.71
	66 67	52	.4	.9	1.1	1.3	1.5	1.7	1.9	2.3	2.6	3.0	6.3	1.9	1.6	1.78
NASHVILLE SITE 01	66	24	.7	.8	.9	1.1	1.4	2.3	2.6	2.8	3.3	3.7	4.4	2.2	1.8	1.85
	67	25	.5	.8	1.1	1.3	1.6	1.7	1.7	2.7	2.8	3.1	4.7	2.0	1.7	1.77
	66 67	49	.5	.8	1.1	1.2	1.6	1.7	2.3	2.7	2.9	3.7	4.7	2.1	1.8	1.81
TEXAS DALLAS SITE 01	66	24	.4	.8	1.1	1.4	1.4	1.5	1.8	2.0	2.5	3.0	3.8	1.8	1.6	1.72
HOUSTON SITE 01	66	26	.7	1.2	1.6	1.8	1.9	1.9	2.1	2.5	2.9	6.6	7.2	2.6	2.2	1.78
	67	26	.7	1.0	1.4	1.9	2.1	2.4	3.1	3.6	4.8	7.2	9.1	3.2	2.6	2.00
	66 67	52	.7	1.0	1.6	1.8	1.9	2.1	2.5	3.1	4.6	6.6	9.1	2.9	2.4	1.89
PASADENA SITE 01	67	24	.4	.9	1.0	1.1	1.2	1.3	1.7	1.9	2.3	3.2	4.0	1.7	1.5	1.72
SAN ANTONIO SITE 01	66	25	.9	1.2	1.4	1.4	1.7	1.8	1.9	2.1	2.3	2.7	3.5	1.9	1.8	1.40
	67	25	.8	1.1	1.2	1.6	1.8	2.0	2.6	3.3	4.7	5.3	7.2	2.7	2.2	1.88
	66 67	50	.8	1.1	1.2	1.4	1.7	1.9	2.1	2.5	2.7	4.7	7.2	2.3	2.0	1.66
UTAH OGDEN SITE 01	66	24	.4	.4	.5	.6	.6	.7	.9	1.0	1.8	2.4	3.4	1.1	.9	1.88
SALT LAKE CITY SITE 01	66	24	.3	.6	.8	.9	1.0	1.0	1.2	1.5	2.0	2.4	3.5	1.4	1.2	1.76
	67	25	.4	.6	.6	.7	.9	1.0	1.1	1.2	1.2	1.6	2.7	1.0	1.0	1.51
	66 67	49	.3	.6	.7	.8	1.0	1.0	1.1	1.2	1.6	2.3	3.5	1.2	1.1	1.64
VERMONT BURLINGTON SITE 01	66	25	.2	.3	.5	.6	.8	.9	1.1	1.3	1.7	2.1	2.6	1.1	.9	2.09
VIRGINIA DANVILLE SITE 01	66	23	.2	.6	.8	1.0	1.3	1.6	1.7	2.0	2.3	2.6	3.0	1.5	1.3	2.06
HAMPTON SITE 01	67	26	.3	.4	.6	.8	.9	.9	1.2	1.6	1.7	1.9	4.2	1.2	1.0	1.88
LYNCHBURG SITE 01	67	26	.4	.6	.8	1.0	1.3	1.6	1.8	1.9	2.4	3.1	3.2	1.6	1.4	1.81
NORFOLK SITE 01	66	26	.3	.5	.9	1.1	1.4	1.4	1.8	1.9	2.3	2.8	4.4	1.7	1.4	1.86
	67	25	.4	1.0	1.1	1.5	1.6	1.8	1.9	2.3	2.4	2.8	5.4	1.9	1.7	1.67
	66 67	51	.3	.8	1.1	1.3	1.5	1.7	1.8	2.0	2.4	2.8	5.4	1.8	1.6	1.77
PORTSMOUTH SITE 01	67	26	.3	.7	.9	1.2	1.3	1.6	1.8	2.0	2.1	2.8	4.0	1.7	1.5	1.77
RICHMOND SITE 01	67	26	.2	.4	.6	.7	.8	1.0	1.2	1.5	1.8	2.5	2.8	1.2	1.0	1.98
ROANOKE SITE 01	67	25	.2	.3	.5	.9	1.1	1.4	1.5	1.8	2.3	2.6	3.0	1.4	1.1	2.20
WASHINGTON SEATTLE SITE 01	66	26	.5	.7	.7	1.1	1.2	1.3	1.7	1.8	1.9	2.2	2.5	1.4	1.3	1.62
	67	26	.6	.7	1.1	1.2	1.2	1.4	1.9	2.2	2.5	3.3	3.6	1.7	1.5	1.67
	66 67	52	.5	.7	.9	1.2	1.2	1.4	1.8	1.9	2.2	2.5	3.6	1.6	1.4	1.64
WEST VIRGINIA CHARLESTON SITE 01	66	22	.3	.4	.6	.6	.7	.8	1.0	1.4	1.6	2.3	2.8	1.1	.9	1.93
	67	26*	.2	.5	.9	1.0	1.1	1.3	1.4	1.6	1.7	2.4	4.8	1.5	1.2	1.98
	66 67	48	.2	.4	.6	.8	1.0	1.0	1.3	1.5	1.7	2.4	4.8	1.3	1.0	1.96
WISCONSIN KENOSHA SITE 01	67	26	.3	.7	.8	1.0	1.0	1.2	1.6	1.9	2.1	2.7	5.6	1.6	1.3	1.82

*Data contributed by state or local agency.

NOT REPRODUCIBLE

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
WISCONSIN MADISON SITE 01	67	26	.5	.6	.7	.8	.9	1.0	1.2	1.5	2.0	2.4	7.9	1.5	1.2	1.88
MILWAUKEE SITE 01	66	26	.4	.5	.8	1.2	1.5	1.7	2.1	2.6	2.9	5.6	6.5	2.2	1.6	2.22
	67	26	.5	.6	1.0	1.3	1.7	2.0	2.6	2.8	3.4	4.0	8.2	2.4	1.9	2.04
	66 67	52	.4	.6	.9	1.3	1.6	1.9	2.3	2.8	2.9	4.0	8.2	2.3	1.8	2.13
WYOMING CASPER SITE 01	67	26	.3	.3	.4	.4	.5	.5	.5	.7	.7	.8	1.1	.5	.5	1.45
CHEYENNE SITE 01	66	26	.1	.2	.4	.5	.6	.6	.8	.9	1.0	1.1	1.1	.7	.6	1.84
	67	24	.3	.3	.3	.6	.6	.7	.7	.9	1.1	1.3	1.6	.7	.7	1.67
	66 67	50	.1	.3	.4	.5	.6	.7	.7	.9	1.0	1.1	1.6	.7	.6	1.76

NOT REPRODUCIBLE

[a] Data contributed by state or local agency.

Table 4-6. NITRATES, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON NAT PK SITE 01	66	25	.0	.0	.1	.2	.3	.4	.5	.6	.7	.9	1.0	.4	.3	2.28
	67	25	.0	.1	.1	.2	.4	.5	.6	.8	.8	1.1	1.3	.5	.4	2.40
	66 67	50	.0	.0	.1	.2	.3	.5	.5	.7	.8	.9	1.3	.5	.4	2.34
ARKANSAS MONTGOMERY COUNTY SITE 01	66	25	.0	.0	.1	.2	.2	.4	.5	1.0	1.0	1.3	1.7	.6	.4	2.79
	67	25	.0	.1	.2	.2	.3	.5	.5	.6	.7	1.1	1.2	.5	.4	2.19
	66 67	50	.0	.1	.1	.2	.3	.4	.5	.6	1.0	1.1	1.7	.6	.4	2.49
CALIFORNIA HUMBOLDT COUNTY SITE 01	66	24	.0	.0	.0	.1	.1	.2	.4	.4	.5	.6	1.7	.3	.2	2.47
	67	25	.0	.0	.1	.2	.3	.5	.5	.6	.6	1.2	2.4	.5	.4	2.48
	66 67	49	.0	.0	.0	.1	.2	.4	.4	.5	.6	1.2	2.4	.4	.3	2.48
COLORADO MESA VERDE NAT PK SITE 01	66	25	.1	.2	.2	.3	.4	.4	.4	.5	.6	.7	1.0	.4	.4	1.68
	67	24	.0	.1	.2	.3	.4	.4	.5	.6	.6	.7	.8	.4	.3	2.00
	66 67	49	.0	.1	.2	.3	.4	.4	.5	.6	.6	.7	1.0	.4	.4	1.84
DELAWARE KENT COUNTY SITE 01	66	25	.0	.2	.3	.4	.4	.7	.7	.8	1.0	1.2	1.7	.7	.5	2.17
	67	25	.1	.3	.3	.4	.5	.6	.6	.8	1.1	1.4	2.9	.8	.6	2.08
	66 67	50	.0	.2	.3	.4	.5	.6	.7	.8	1.1	1.2	2.9	.8	.6	2.12
IDAHO BUTTE COUNTY SITE 01	67	25	.1	.1	.1	.2	.2	.3	.4	.5	.6	.8	.9	.4	.3	2.16
INDIANA MONROE COUNTY SITE 01	66	22	.0	.0	.1	.2	.2	.3	.3	.4	.4	.7	.8	.3	.2	1.99
	67	24	.1	.1	.2	.2	.3	.4	.4	.5	.6	.9	1.6	.4	.3	2.15
	66 67	46	.0	.1	.1	.2	.3	.3	.4	.4	.5	.8	1.6	.4	.3	2.07
PARKE COUNTY SITE 01	66	25	.2	.3	.4	.5	.6	.8	.8	.9	1.1	1.6	2.1	.8	.7	1.81
	67	21	.1	.1	.2	.3	.3	.3	.4	.5	.9	1.0	1.3	.5	.4	2.26
	66 67	46	.1	.2	.3	.3	.4	.5	.8	.9	1.0	1.3	2.1	.7	.5	2.04
IOWA DELAWARE COUNTY SITE 01	66	23	.2	.2	.4	.4	.8	.9	1.0	1.4	1.5	1.9	3.3	1.0	.8	2.28
MAINE ACADIA NAT PK SITE 01	66	24	.1	.2	.3	.4	.5	.5	.9	1.2	1.6	2.4	3.0	1.0	.7	2.49
	67	20	.0	.0	.1	.3	.4	.7	.9	1.0	1.3	2.4	3.0	.9	.6	3.14
	66 67	44	.0	.1	.3	.4	.5	.6	.9	1.1	1.6	2.4	3.0	1.0	.6	2.81
MARYLAND CALVERT COUNTY SITE 01	66	25	.1	.2	.3	.5	.8	1.0	1.0	1.2	1.2	1.8	2.8	1.0	.8	2.30
	67	26	.0	.1	.1	.2	.3	.4	.6	.7	.7	1.3	1.8	.5	.4	2.57
	66 67	51	.0	.1	.2	.3	.5	.6	.8	1.0	1.2	1.4	2.8	.8	.5	2.44
MISSISSIPPI JACKSON COUNTY SITE 01	66	26	.1	.1	.2	.3	.4	.6	.7	.9	1.1	1.8	2.8	.8	.5	2.56
	67	25	.0	.1	.1	.2	.2	.5	.6	.7	.9	1.1	2.1	.5	.4	2.63
	66 67	51	.0	.1	.2	.2	.3	.5	.7	.8	1.0	1.4	2.8	.7	.4	2.60
MISSOURI SHANNON COUNTY SITE 01	66	24	.1	.1	.1	.2	.4	.5	.5	.8	1.0	1.2	1.3	.5	.4	2.56
	67	24	.0	.1	.2	.4	.6	.6	.9	1.0	1.5	1.7	1.8	.8	.6	2.67
	66 67	48	.0	.1	.1	.3	.5	.5	.7	.9	1.2	1.5	1.8	.7	.5	2.61
MONTANA GLACIER NAT PK SITE 01	66	24	.0	.0	.0	.1	.1	.1	.2	.2	.2	.2	.3	.1	.1	1.50
	67	25	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.5	.1	.1	1.64
	66 67	49	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.5	.1	.1	1.57
NEBRASKA THOMAS COUNTY SITE 01	66	26	.1	.2	.3	.3	.4	.4	.5	.7	.8	1.3	1.7	.6	.4	1.98
	67	25	.1	.1	.1	.2	.2	.3	.3	.4	.6	.8	.9	.4	.3	2.14
	66 67	51	.1	.1	.2	.3	.3	.3	.4	.5	.7	.9	1.7	.5	.3	2.06
NEVADA WHITE PINE COUNTY SITE 01	66	22	.0	.1	.1	.1	.1	.3	.3	.3	.4	.5	1.0	.3	.2	2.06
	67	23	.0	.0	.0	.0	.1	.1	.2	.2	.3	.6	.8	.2	.2	2.02
	66 67	45	.0	.0	.0	.1	.1	.2	.2	.3	.3	.6	1.0	.3	.2	2.04

*Data contributed by state or local agency.

Table 4-6 (continued). NITRATES, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
NEW HAMPSHIRE COOS COUNTY SITE 01	66	26	.1	.2	.3	.3	.3	.4	.5	.7	.8	1.0	1.3	.5	.4	2.02
	67	26	.0	.0	.1	.1	.2	.2	.2	.2	.3	.4	.7	.2	.2	1.74
	66 67	52	.0	.1	.1	.2	.2	.3	.3	.4	.7	.8	1.3	.4	.3	1.89
NEW MEXICO RIO ARRIBA COUNTY SITE 01	66	24	.1	.1	.2	.2	.2	.3	.3	.3	.4	.5	.6	.3	.3	1.66
	67	23	.1	.1	.1	.2	.2	.3	.3	.4	.5	.6	.6	.3	.2	1.92
	66 67	47	.1	.1	.2	.2	.2	.3	.3	.4	.4	.5	.6	.3	.3	1.79
NEW YORK JEFFERSON COUNTY SITE 01	66	26	.1	.2	.2	.3	.4	.5	.7	.8	.8	1.1	2.3	.6	.5	2.19
	67	26	.1	.2	.2	.2	.3	.4	.5	.6	.7	1.0	1.3	.5	.4	2.02
	66 67	52	.1	.2	.2	.3	.3	.4	.6	.7	.8	1.0	2.3	.6	.4	2.11
NORTH CAROLINA CAPE HATTERAS SITE 01	66	23	.3	.5	.6	.6	.7	.9	1.0	1.3	1.4	2.2	2.9	1.1	.9	1.81
	67	23	.2	.5	.5	.6	.7	.9	1.3	1.5	2.2	2.7	3.1	1.2	1.0	2.04
	66 67	46	.2	.5	.6	.6	.7	.9	1.0	1.4	1.7	2.7	3.1	1.2	1.0	1.93
OKLAHOMA CHEROKEE COUNTY SITE 01	66	26	.1	.1	.2	.2	.5	.6	.7	.9	1.1	1.3	1.6	.6	.4	2.58
	67	25	.1	.1	.2	.2	.4	.5	.8	.8	.9	1.4	1.6	.6	.4	2.49
	66 67	51	.1	.1	.2	.2	.4	.6	.7	.8	1.0	1.3	1.6	.6	.4	2.54
OREGON CURRY COUNTY SITE 01	66	24	.0	.0	.0	.1	.1	.1	.2	.2	.3	.3	.6	.2	.2	1.73
	67	25	.0	.0	.0	.1	.1	.2	.3	.3	.4	.7	1.3	.3	.2	2.25
	66 67	49	.0	.0	.0	.1	.1	.1	.2	.3	.3	.5	1.3	.3	.2	2.00
PENNSYLVANIA CLARION COUNTY SITE 01	66	24	.1	.1	.1	.1	.2	.2	.2	.3	.4	.5	.7	.2	.2	1.89
	67	24	.1	.1	.1	.2	.2	.3	.4	.4	.4	.7	1.7	.4	.3	2.14
	66 67	48	.1	.1	.1	.2	.2	.2	.3	.4	.4	.5	1.7	.3	.2	2.02
RHODE ISLAND WASHINGTON COUNTY SITE 01	66	23	.1	.2	.2	.2	.3	.4	.5	.6	.7	1.0	2.8	.6	.4	2.33
	67	24	.1	.1	.1	.2	.2	.4	.8	.8	1.0	1.3	1.5	.6	.4	2.72
	66 67	47	.1	.1	.2	.2	.2	.4	.5	.7	.9	1.3	2.8	.6	.4	2.53
SOUTH CAROLINA RICHLAND COUNTY SITE 01	66	26	.1	.1	.2	.2	.3	.4	.7	.9	.9	1.4	1.8	.6	.4	2.45
	67	25	.1	.1	.2	.3	.5	.7	.7	.8	.8	1.4	1.8	.7	.5	2.37
	66 67	51	.1	.1	.2	.3	.4	.6	.7	.8	.9	1.4	1.8	.7	.5	2.41
SOUTH DAKOTA BLACK HILLS NAT FOR SITE 01	66	25	.1	.1	.1	.2	.2	.2	.3	.4	.4	.6	.9	.3	.2	1.96
	67	25	.0	.2	.2	.3	.3	.3	.4	.4	.4	.6	.7	.3	.3	1.64
	66 67	50	.0	.1	.2	.2	.2	.3	.3	.4	.4	.6	.9	.3	.3	1.81
TEXAS MATAGORDA COUNTY SITE 01	66	23	.1	.2	.3	.3	.4	.5	.5	.8	1.0	1.2	1.8	.6	.5	2.08
	67	25	.2	.5	.6	.7	.8	.9	.9	1.1	1.3	1.7	2.3	1.0	.9	1.73
	66 67	48	.1	.2	.3	.5	.6	.7	.8	1.0	1.2	1.7	2.3	.8	.6	1.91
VERMONT ORANGE COUNTY SITE 01	66	26	.0	.1	.1	.2	.3	.3	.4	.5	.6	1.3	1.4	.4	.3	2.38
	67	25	.1	.1	.1	.1	.2	.2	.3	.4	.4	.7	1.0	.3	.2	2.22
	66 67	51	.0	.1	.1	.1	.2	.3	.4	.4	.6	.7	1.4	.4	.3	2.30
VIRGINIA SHENANDOAH NAT PK SITE 01	66	25	.2	.2	.2	.3	.3	.4	.5	.5	.7	1.4	1.4	.6	.4	1.94
	67	26	.0	.0	.1	.1	.2	.2	.4	.6	.7	.9	1.1	.4	.3	2.55
	66 67	51	.0	.1	.2	.2	.3	.3	.5	.6	.7	1.1	1.4	.5	.3	2.25
WISCONSIN DOOR COUNTY SITE 01	67	20	.1	.1	.1	.3	.3	.4	.5	.6	.8	.9	1.9	.6	.4	2.43
WYOMING YELLOWSTONE PARK SITE 01	66	25	.0	.0	.0	.1	.1	.2	.2	.4	.4	.5	.7	.2	.2	2.03
	67	26	.0	.0	.1	.1	.2	.3	.3	.3	.4	.5	.6	.3	.2	1.84
	66 67	51	.0	.0	.0	.1	.2	.2	.3	.3	.4	.5	.7	.3	.2	1.94

*Data contributed by state or local agency.

Table 4-7. SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA BIRMINGHAM SITE 01	66	25	2.6	5.3	5.6	6.7	7.2	8.7	9.4	10.6	11.6	13.1	20.1	9.0	8.3	1.57
GADSDEN SITE 01	66	26	2.1	2.9	4.2	5.0	5.1	6.0	6.6	7.2	7.5	8.5	19.9	6.4	5.7	1.62
HUNTSVILLE SITE 01	67	26	1.9	3.2	4.4	5.1	5.5	5.9	7.2	8.2	8.4	12.4	21.7	7.4	6.4	1.73
MOBILE SITE 01	66	26	3.2	3.6	4.6	5.0	6.6	7.1	7.9	8.5	10.7	13.9	26.4	8.1	7.0	1.67
MONTGOMERY SITE 01	67	26	2.3	3.2	3.6	4.8	5.7	5.8	6.8	8.0	9.1	11.4	45.7	8.2	6.4	1.86
ALASKA ANCHORAGE SITE 02	66	20	1.2	1.2	1.7	1.9	2.1	2.5	2.5	2.8	2.8	3.4	3.8	2.4	2.3	1.39
FAIRBANKS SITE 01	67	23	.6	.8	.9	1.1	1.4	1.6	1.9	2.1	3.1	3.3	5.9	1.9	1.6	1.78
ARIZONA MARICOPA COUNTY SITE 01	66	26	1.5	2.2	2.6	2.8	3.2	3.4	3.8	4.1	4.9	5.9	16.7	4.1	3.6	1.58
	67	26	.2	.6	.8	1.0	1.3	1.4	1.9	2.2	2.8	3.9	13.4	2.2	1.5	2.26
	66 67	52	.2	.8	1.3	1.7	2.2	2.4	3.1	3.5	4.0	5.2	16.7	3.2	2.4	1.94
PHOENIX SITE 02	66	24	1.6	2.3	2.5	3.2	3.4	3.8	4.6	5.2	6.7	7.0	14.8	4.6	4.0	1.67
	67	26	.8	.9	1.4	1.6	2.0	2.4	2.7	3.5	3.8	6.0	16.0	3.3	2.5	2.05
	66 67	50	.8	1.2	1.8	2.3	2.6	3.2	3.7	4.0	5.2	7.0	16.0	4.0	3.1	1.87
TUCSON SITE 01	66	25	1.6	1.9	2.2	3.1	3.3	3.4	4.0	4.1	4.5	5.8	7.2	3.7	3.5	1.50
	67	24	.5	.8	1.2	1.5	1.5	1.8	1.8	2.7	3.4	5.6	6.4	2.4	1.9	1.95
	66 67	49	.5	1.2	1.5	1.8	2.2	2.9	3.4	4.0	4.5	5.8	7.2	3.1	2.6	1.73
ARKANSAS LITTLE ROCK SITE 01	66	26	2.3	3.4	4.2	4.6	6.1	6.7	7.4	8.2	9.7	10.2	14.4	6.9	6.3	1.55
	67	25	.6	1.6	1.9	2.1	2.4	4.2	4.4	5.2	6.4	8.5	9.4	4.2	3.5	1.96
	66 67	51	.6	2.0	2.4	4.0	4.4	5.2	6.4	7.0	8.2	9.7	14.4	5.6	4.7	1.76
WEST MEMPHIS SITE 01	66	25	1.8	2.2	3.7	4.5	5.1	5.8	6.5	7.7	8.1	12.7	12.7	6.5	5.7	1.73
CALIFORNIA BURBANK SITE 02	66	26	2.2	3.1	3.2	3.8	6.4	7.0	10.7	13.5	14.5	21.4	23.0	9.4	7.5	2.06
GLENDALE SITE 01	67	26	1.2	2.0	2.7	4.7	5.5	8.8	11.2	15.7	20.6	27.6	45.6	12.3	8.0	2.73
LONG BEACH SITE 01	67	25	2.3	5.2	5.9	8.2	9.4	10.7	12.4	14.6	21.4	26.0	34.4	13.4	11.0	1.94
LOS ANGELES SITE 01	66	26	1.3	1.8	4.1	5.1	6.2	7.0	8.0	9.8	12.7	13.9	21.4	8.0	6.6	2.12
	67	25	2.0	2.6	4.2	5.4	6.9	8.8	10.6	11.8	17.7	20.9	53.6	12.1	8.7	2.29
	66 67	51	1.3	2.2	4.2	5.3	6.9	7.8	9.4	11.8	13.3	17.8	53.6	10.1	7.4	2.20
OAKLAND SITE 01	66	25	3.7	4.0	4.1	4.4	5.3	6.0	6.5	8.1	9.1	16.5	18.8	7.6	6.7	1.69
	67	25	2.0	3.2	3.8	4.2	4.8	5.7	6.4	9.0	10.5	15.6	20.8	7.5	6.3	1.85
	66 67	50	2.0	3.7	4.1	4.3	5.3	5.7	6.5	8.4	10.5	15.6	20.8	7.6	6.5	1.75
PASADENA SITE 01	66	25	3.2	3.7	4.6	5.0	7.2	8.8	9.7	13.2	14.7	17.9	35.0	10.8	8.7	1.93
SAN DIEGO SITE 01	66	25	2.7	3.5	3.8	4.5	5.2	6.7	7.3	8.2	9.3	12.7	29.9	7.8	6.5	1.76
	67	24	2.2	2.8	3.1	4.8	5.9	6.4	7.5	8.6	12.4	15.0	18.2	7.7	6.5	1.84
	66 67	49	2.2	2.9	3.8	4.5	5.7	6.7	7.5	8.6	10.3	15.0	29.9	7.8	6.5	1.80
SAN FRANCISCO SITE 01	66	26	2.0	2.4	2.6	3.0	3.0	3.3	4.3	5.0	6.4	9.6	37.9	5.8	4.3	1.94
	67	25	1.7	2.2	2.4	3.0	3.3	4.2	4.3	7.0	7.6	11.7	14.5	5.3	4.6	1.82
	66 67	51	1.7	2.3	2.5	3.0	3.1	3.6	4.3	5.0	7.2	9.6	37.9	5.6	4.3	1.88

*Data contributed by state or local agency.

Table 6-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³														Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
COLORADO DENVER SITE 01	66	25	7.6	2.7	2.9	3.2	3.4	3.5	3.8	4.4	4.6	6.2	10.8	4.1	3.9	1.40
	67	26	1.6	2.0	2.2	2.4	2.8	3.2	3.3	3.7	3.9	4.4	5.2	3.2	3.0	1.36
	66 67	51	1.6	2.2	2.6	2.9	3.2	3.3	3.5	3.9	4.4	5.2	10.8	3.7	3.4	1.38
SITE 02	66	124	.0	.7	1.0	1.4	1.9	2.2	3.0	3.8	5.8	8.0	26.4	3.9	2.4	2.71
CONNECTICUT HARTFORD SITE 01	66	26	6.3	6.4	7.2	7.6	8.6	10.7	13.8	14.2	15.9	19.5	31.9	12.4	11.2	1.57
	67	26	3.9	5.6	6.7	9.7	11.8	13.2	18.1	20.6	22.2	24.8	31.5	15.0	12.9	1.82
	66 67	52	3.9	6.3	7.1	7.9	9.9	12.2	14.1	17.5	19.5	24.2	31.9	13.7	12.0	1.70
NEW HAVEN SITE 01	66	25	4.2	9.2	13.0	14.9	15.6	17.6	19.0	21.3	23.2	28.4	33.4	18.4	17.3	1.67
	67	26	4.4	5.3	10.1	11.3	15.6	17.2	18.1	25.4	25.7	28.0	33.8	17.7	15.3	1.81
	66 67	51	4.4	8.4	10.5	14.4	15.6	17.6	19.0	22.4	25.4	28.0	33.8	18.2	16.3	1.65
DELAWARE NEWARK SITE 01	66	25	6.1	6.8	8.0	10.7	11.8	13.2	13.8	14.8	17.4	21.3	41.9	14.2	12.9	1.55
	67	26	3.9	5.2	5.8	6.1	7.0	8.1	9.1	11.2	11.8	17.7	20.9	9.3	8.5	1.56
	66 67	51	3.9	5.8	6.5	7.7	9.1	10.7	11.8	13.3	14.8	18.0	41.9	11.8	10.4	1.55
WILMINGTON SITE 01	66	24	7.5	7.9	10.7	12.0	12.2	13.6	15.0	16.2	20.1	23.4	30.8	15.4	14.3	1.47
	67	21	9.5	9.9	10.8	12.4	13.1	14.8	15.2	17.2	18.3	19.1	28.1	14.7	13.9	1.42
	66 67	45	5.5	9.0	10.7	12.0	12.6	14.7	15.0	17.2	18.5	23.2	30.8	15.1	14.1	1.44
DC WASHINGTON SITE 01	66	25	7.1	7.7	8.1	8.3	8.5	9.8	10.2	11.8	13.9	16.0	26.1	11.0	10.4	1.37
	67	26	1.7	5.9	7.1	8.1	10.6	10.7	11.5	13.4	14.7	16.4	24.9	11.1	9.9	1.70
	66 67	51	1.7	7.1	7.9	8.3	8.9	10.3	11.0	12.4	14.1	16.0	26.1	11.1	10.2	1.55
SITE 02	66	135	4.4	8.3	9.8	10.8	12.3	14.4	16.5	19.3	23.0	31.9	57.0	17.2	15.0	1.69
GEORGIA ATLANTA SITE 01	66	23	2.8	3.5	4.2	5.2	6.7	7.4	8.8	10.0	10.6	11.5	24.5	8.1	7.1	1.70
	67	26	3.3	4.9	5.9	6.4	6.7	7.1	8.1	9.7	11.4	14.2	14.5	8.3	7.8	1.45
	66 67	49	2.8	3.6	5.2	6.0	6.7	7.3	8.6	9.7	11.4	14.0	24.5	8.2	7.4	1.58
HAWAII HONOLULU SITE 01	66	26	2.6	2.9	3.2	3.4	3.5	3.5	3.8	4.1	4.3	4.9	13.2	4.1	3.9	1.37
	67	26	2.0	2.1	2.2	2.2	2.6	2.7	3.1	3.2	3.3	3.7	5.3	2.9	2.8	1.28
	66 67	52	2.0	2.2	2.6	2.9	3.1	3.2	3.5	3.5	4.0	4.6	13.2	3.5	3.3	1.33
IDAHO BOISE SITE 01	66	25	1.2	1.5	1.7	1.9	2.0	2.2	2.4	2.7	2.9	3.9	9.8	2.6	2.4	1.54
	67	25	.5	.8	1.0	1.0	1.0	1.1	1.3	1.5	1.6	2.7	8.8	1.6	1.3	1.75
	66 67	50	.5	1.0	1.0	1.2	1.5	1.7	1.9	2.2	2.7	3.2	9.8	2.1	1.8	1.65
ILLINOIS CHICAGO SITE 01	66	26	2.8	5.0	7.3	8.5	10.3	11.1	12.3	12.5	16.5	18.5	24.2	11.5	10.6	[illegible]
	67	26	2.8	4.0	5.6	6.5	11.2	12.2	14.9	16.7	18.1	20.2	22.4	12.4	10.7	[illegible]
	66 67	52	2.8	5.0	6.3	8.3	10.9	11.8	12.5	15.5	18.0	20.0	24.2	12.0	10.5	[illegible]
SITE 02	66	117	1.8	5.4	8.3	10.7	13.1	15.9	17.8	20.4	23.7	33.5	53.5	17.5	14.3	1.97
EAST ST LOUIS SITE 01	67	23	3.0	6.8	8.9	9.1	9.7	10.8	11.6	12.9	13.6	16.1	19.8	11.2	10.6	1.49
ROCKFORD SITE 01	67	26	2.6	2.9	4.5	5.1	5.9	7.0	8.0	8.8	9.6	14.4	21.0	8.0	6.9	1.73
ILLINOIS SPRINGFIELD SITE 01	67	23	1.7	4.3	5.1	5.3	6.1	6.5	6.8	8.1	8.9	11.2	14.0	7.0	6.4	1.56
INDIANA EAST CHICAGO SITE 01	66	26	6.6	8.9	12.1	13.7	15.3	16.0	16.9	19.1	24.1	26.6	28.4	17.0	15.8	1.48
	67	25	8.0	9.1	9.4	11.6	13.4	13.9	15.4	19.6	21.4	23.4	31.6	15.8	14.7	1.47
	66 67	51	6.6	9.1	10.6	13.2	13.9	15.4	16.7	19.1	21.8	26.4	31.6	16.4	15.3	1.48
HAMMOND SITE 01	66	24	5.5	8.1	10.1	11.4	12.0	13.4	15.6	17.7	24.2	30.7	33.9	16.5	14.6	1.66
	67	22	5.1	6.3	8.7	9.0	9.9	10.6	12.0	14.0	16.8	19.6	36.8	12.7	11.4	1.59
	66 67	46	5.1	6.3	9.0	10.0	11.1	12.0	13.8	16.8	19.6	28.1	36.8	14.6	12.9	1.63
INDIANAPOLIS SITE 01	66	25	5.4	7.1	8.2	10.2	10.5	13.8	13.9	14.6	15.4	25.5	43.3	14.7	12.9	1.66
	67	22	1.7	8.3	8.6	9.0	9.9	12.3	13.0	13.6	15.6	16.9	27.1	12.2	11.0	1.70
	66 67	47	1.7	7.1	8.4	9.5	10.5	12.9	13.8	14.1	15.6	24.7	43.3	13.5	11.9	1.68

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MUNCIE SITE 01	66	24	4.2	4.5	6.0	6.7	7.2	7.7	9.8	13.6	15.0	17.4	29.1	10.5	9.1	1.70
	67	22	2.9	5.1	6.1	6.3	7.1	7.3	8.5	9.3	9.9	11.5	12.8	7.9	7.5	1.43
	66 67	46	2.9	4.5	6.1	6.4	7.2	7.7	8.7	9.9	12.8	15.0	29.1	9.2	8.3	1.57
NEW ALBANY SITE 02	66	24	2.1	7.0	8.1	12.2	13.3	13.9	16.5	17.9	20.4	21.2	34.9	14.8	12.9	1.78
SOUTH BEND SITE 01	66	24	3.6	4.9	5.9	6.9	8.3	9.8	12.3	13.8	15.9	19.6	31.6	11.7	9.9	1.80
	67	24	2.9	4.3	5.1	5.7	7.0	7.1	8.4	10.7	13.0	17.5	27.2	9.3	8.0	1.73
	66 67	48	2.9	4.3	5.2	6.7	7.1	8.3	9.8	12.4	14.0	18.1	31.6	10.5	8.9	1.76
TERRE HAUTE SITE 01	67	22	4.3	5.3	5.6	6.2	6.7	7.8	8.9	9.5	10.2	12.4	19.8	8.4	7.8	1.45
IOWA CEDAR RAPIDS SITE 01	67	25	.0	3.5	4.1	4.8	5.1	5.8	6.3	7.3	7.8	11.5	13.4	6.4	5.2	2.50
DAVENPORT SITE 01	66	25	3.3	3.9	4.3	4.9	5.5	6.1	6.7	8.6	9.3	16.5	20.1	7.7	6.7	1.63
DES MOINES SITE 01	66	25	1.1	3.0	3.2	4.5	5.8	6.2	6.7	7.0	8.0	13.2	27.4	7.3	5.9	1.96
	67	25	2.4	2.7	2.8	3.2	3.4	3.6	4.1	5.9	6.2	8.0	9.4	4.6	4.2	1.52
	66 67	50	1.1	2.7	3.0	3.4	3.7	5.3	5.9	6.3	7.0	9.4	27.4	6.0	5.0	1.75
DUBUQUE SITE 01	66	26	2.6	3.7	4.5	4.7	5.9	6.1	7.4	8.4	9.0	14.8	26.8	7.8	6.7	1.69
	67	25	2.1	3.1	4.6	5.3	6.3	7.2	8.2	9.4	13.9	15.7	17.9	8.6	7.4	1.80
	66 67	51	2.1	3.7	4.6	5.3	6.1	6.7	7.5	8.9	11.9	15.0	26.8	8.2	7.0	1.74
KANSAS KANSAS CITY SITE 01	66	23	2.3	2.8	3.8	4.7	5.0	5.2	5.8	6.5	7.4	8.1	10.0	5.6	5.2	1.50
TOPEKA SITE 01	67	26	.9	1.1	1.3	1.5	1.6	2.0	2.3	2.9	3.3	5.3	7.7	2.6	2.1	1.80
WICHITA SITE 01	66	25	1.3	2.1	2.5	2.6	3.1	3.9	4.8	5.9	6.2	7.5	7.6	4.4	3.9	1.64
	67	25	.7	1.4	1.6	1.6	2.4	2.8	3.0	4.0	4.5	6.2	16.5	3.6	2.9	1.93
	66 67	50	.7	1.6	2.0	2.5	2.8	3.1	3.0	4.8	5.9	7.0	16.5	4.0	3.4	1.79
KENTUCKY ASHLAND SITE 01	66	24	4.9	5.6	6.5	7.6	8.8	10.5	15.5	18.5	23.3	26.7	61.3	16.1	12.4	2.02
COVINGTON SITE 01	66	25	2.9	4.4	5.6	6.6	6.9	8.3	10.8	13.1	14.4	21.2	22.4	10.4	9.0	1.74
	67	25	3.3	4.5	5.0	6.5	6.7	7.3	7.6	8.5	9.6	11.1	24.6	8.1	7.4	1.50
	66 67	50	2.9	4.5	5.6	6.5	6.9	7.6	8.3	10.4	11.3	14.7	24.6	9.3	8.1	1.63
LEXINGTON SITE 01	67	26	.6	3.6	4.9	5.3	6.4	7.8	8.8	10.1	13.2	16.6	18.5	8.6	7.2	2.02
LOUISVILLE SITE 01	66	25	3.4	6.8	8.0	9.3	9.7	13.2	14.8	16.6	18.9	27.0	29.3	14.0	12.4	1.70
	67	26	3.5	5.5	7.6	8.8	10.2	10.5	11.6	12.8	15.0	17.2	31.2	11.8	10.6	1.61
	66 67	51	3.4	6.3	8.0	8.8	10.2	11.2	12.8	14.8	16.6	23.7	31.2	12.9	11.4	1.66
LOUISIANA NEW ORLEANS SITE 02	66	26	3.1	3.5	4.5	4.9	5.4	6.0	6.7	7.8	8.6	11.6	13.9	6.7	6.2	1.50
	67	26	3.5	4.1	4.8	4.9	5.9	6.2	7.6	8.4	11.1	11.9	17.5	7.5	6.8	1.53
	66 67	52	3.1	3.6	4.7	4.9	5.7	6.1	7.3	8.1	9.4	11.6	17.5	7.1	6.5	1.51
MARYLAND BALTIMORE SITE 01	66	26	6.6	10.0	12.2	13.1	15.2	15.6	16.8	19.2	22.5	35.6	76.1	19.5	16.9	1.65
	67	25	4.4	5.4	8.7	9.7	12.7	14.7	15.4	17.7	18.2	27.1	39.2	15.7	13.5	1.78
	66 67	51	4.4	8.7	10.0	12.7	14.1	15.4	16.6	18.1	22.1	27.1	76.1	17.6	15.1	1.71
MASSACHUSETTS BOSTON SITE 01	* 66	261	.7	1.5	1.6	1.8	2.0	2.2	2.4	2.6	2.9	3.3	10.0	2.4	2.2	1.44
LYNN SITE 01	* 66	263	.6	1.0	1.2	1.4	1.5	1.7	1.8	2.1	2.4	3.1	7.0	1.9	1.7	1.53
QUINCY SITE 01	* 66	264	.6	1.0	1.2	1.3	1.4	1.5	1.6	1.7	2.0	2.4	3.9	1.6	1.5	1.45

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, $\mu g/m^3$													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MICHIGAN																
DETROIT																
SITE 01	66	26	5.2	6.0	7.4	7.8	9.1	11.6	12.0	14.9	19.4	23.1	39.5	13.3	11.5	1.69
	67	23	1.3	3.6	5.1	6.3	10.3	11.7	12.2	14.5	14.9	16.5	24.6	10.7	8.7	2.11
	66 67	49	1.3	5.1	6.3	7.4	9.1	11.7	12.2	14.5	16.2	23.1	39.5	12.0	10.0	1.90
FLINT																
SITE 01	67	25	1.4	2.9	3.1	4.2	4.6	5.6	5.9	6.4	7.5	9.3	11.3	5.6	5.1	1.61
GRAND RAPIDS																
SITE 01	67	25	2.7	3.5	3.9	4.5	4.8	6.6	7.3	8.1	8.6	10.2	21.9	7.1	6.3	1.63
MINNESOTA																
DULUTH																
SITE 01	66	26	1.8	2.3	2.9	3.3	4.6	5.4	6.2	7.5	8.2	10.3	12.8	5.8	5.0	1.74
MINNEAPOLIS																
SITE 01	66	26	1.8	2.2	3.3	3.7	4.4	5.0	5.5	8.3	9.2	11.9	14.3	6.2	5.2	1.81
	67	26	.8	2.0	3.6	3.8	4.1	5.1	5.6	8.5	8.9	10.0	12.8	5.8	4.9	1.92
	66 67	52	.8	2.2	3.3	3.8	4.1	5.1	5.6	8.3	9.2	10.1	14.3	6.0	5.1	1.86
MOORHEAD																
SITE 01	66	26	1.3	1.5	2.0	2.2	2.8	3.0	3.9	4.7	6.2	7.2	8.5	3.9	3.3	1.76
ST. PAUL																
SITE 01	66	25	1.9	2.8	3.9	4.9	5.9	7.7	8.1	9.4	10.2	15.7	22.9	8.1	6.8	1.86
	67	26	1.4	2.7	3.4	3.7	5.3	6.1	6.7	7.5	9.2	25.0	28.5	8.0	6.0	2.09
	66 67	51	1.4	2.8	3.6	4.2	5.7	6.6	7.5	8.5	10.2	15.7	28.5	8.1	6.4	1.98
MISSISSIPPI																
JACKSON																
SITE 01	66	26	1.5	2.1	3.3	3.7	4.3	4.7	5.1	5.5	7.0	7.9	11.0	5.1	4.5	1.64
MISSOURI																
KANSAS CITY																
SITE 01	66	24	3.3	3.6	3.8	4.9	5.0	5.3	5.9	7.4	8.5	10.0	13.0	6.4	5.9	1.49
	67	26	2.2	2.6	3.3	3.6	4.5	5.9	6.6	7.6	8.0	10.3	14.7	6.1	5.4	1.67
	66 67	50	2.2	3.3	3.6	4.3	4.9	5.6	6.5	7.4	8.0	10.0	14.7	6.3	5.6	1.58
ST. LOUIS																
SITE 01	66	24	4.6	8.4	10.8	12.5	14.3	16.3	18.4	18.7	21.9	26.4	31.6	16.6	15.2	1.59
	67	25	4.5	6.0	6.5	8.6	9.1	10.3	12.5	15.5	16.4	18.9	21.4	11.8	10.8	1.56
	66 67	49	4.5	6.2	8.6	9.8	12.0	12.8	16.0	18.2	18.9	21.9	31.6	14.2	12.8	1.57
SITE 02	66	95	1.0	4.3	7.2	8.8	10.4	11.9	13.1	16.3	18.5	24.0	53.7	13.9	11.2	2.00
MONTANA																
HELENA																
SITE 01	66	26	1.2	1.5	1.6	1.8	1.8	1.9	2.1	2.8	4.9	6.9	7.6	2.9	2.4	1.78
	67	26	.6	.8	.9	1.1	1.3	1.3	2.3	2.9	3.8	7.0	7.9	2.5	1.9	2.12
	66 67	52	.6	.9	1.2	1.5	1.7	1.8	2.1	2.8	3.8	6.9	7.9	2.7	2.1	1.96
NEBRASKA																
OMAHA																
SITE 01	66	25	2.3	3.0	3.4	4.0	4.4	5.3	6.2	6.7	7.5	12.7	16.5	6.3	5.5	1.70
	67	26	1.5	1.7	2.4	2.5	2.9	3.1	3.7	4.6	5.6	9.4	13.1	4.4	3.7	1.82
	66 67	51	1.5	2.3	2.7	3.1	3.7	4.1	5.1	6.2	6.9	11.9	16.5	5.4	4.5	1.76
NEVADA																
LAS VEGAS																
SITE 01	66	26	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.8	4.0	5.6	6.2	3.5	3.3	1.40
	67	26	.8	1.0	1.5	1.6	2.0	2.1	2.8	3.1	3.2	4.3	5.1	2.5	2.2	1.63
	66 67	52	.8	1.5	2.0	2.2	2.4	2.8	3.1	3.3	3.8	5.1	6.2	3.0	2.7	1.52
RENO																
SITE 01	67	25	1.1	1.5	1.9	2.0	2.3	2.7	2.8	3.6	4.5	5.1	13.5	3.3	2.9	1.70
NEW HAMPSHIRE																
CONCORD																
SITE 01	66	26	2.9	3.4	3.9	4.1	5.4	5.7	7.2	8.8	11.1	13.4	18.2	7.3	6.4	1.69
	67	26	2.3	3.9	4.8	4.8	5.2	5.9	7.9	10.4	11.0	14.1	29.0	8.3	7.0	1.75
	66 67	52	2.3	3.6	4.1	4.8	5.2	5.9	7.7	9.0	11.1	13.4	29.0	7.8	6.7	1.72
NEW JERSEY																
BAYONNE																
SITE 01	67	23	5.9	9.4	11.5	13.4	14.9	15.4	16.0	17.9	24.8	27.8	42.7	18.1	16.2	1.60
BURLINGTON COUNTY																
SITE 02	66	26	3.7	7.4	7.7	9.0	10.4	11.1	12.6	14.1	17.1	25.5	30.2	13.3	11.7	1.67
	67	26	4.0	5.5	7.1	7.7	8.9	9.6	11.3	14.8	16.3	24.4	27.1	11.9	10.5	1.66
	66 67	52	3.7	6.0	7.5	8.1	9.6	10.9	12.6	14.1	16.4	24.4	30.2	12.6	11.1	1.66
CAMDEN																
SITE 01	66	25	8.9	10.3	10.8	17.2	18.2	19.2	19.5	21.6	22.3	29.1	39.1	19.4	18.1	1.46
GLASSBORO																
SITE 01	66	26	5.2	5.6	7.4	7.8	9.2	9.5	11.3	14.2	14.8	18.7	29.6	11.6	10.5	1.58
	67	26	3.1	3.8	4.7	5.6	7.0	7.2	8.5	10.0	11.1	14.1	20.3	8.3	7.4	1.61
	66 67	52	3.1	4.7	5.6	7.0	7.6	8.8	9.9	11.3	14.1	14.8	29.6	10.0	8.8	1.59

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
JERSEY CITY SITE 01	66	23	6.1	10.0	11.1	12.9	18.2	23.3	25.1	34.4	36.9	42.9	55.3	24.1	20.6	1.81
	67	25	6.3	8.5	12.6	14.0	15.7	17.3	18.0	21.3	24.8	36.4	39.1	19.4	17.4	1.61
	66 67	48	6.1	9.5	12.2	13.7	16.3	18.0	21.3	25.1	34.4	38.1	55.3	21.8	19.0	1.71
NEWARK SITE 01	66	25	6.8	7.5	8.4	9.2	10.8	13.2	14.0	16.8	19.9	24.1	33.5	14.7	13.3	1.57
	67	25	4.2	7.1	9.6	13.7	14.0	15.7	17.0	22.5	23.2	26.7	29.3	16.7	15.0	1.67
	66 67	50	4.2	7.2	8.6	9.9	13.2	14.0	15.8	19.3	22.5	24.4	33.5	15.7	14.1	1.62
PATERSON SITE 01	67	25	5.2	10.1	12.1	12.3	13.4	14.4	15.8	21.4	21.7	30.3	36.5	17.5	15.9	1.57
PERTH AMBOY SITE 01	67	25	3.0	9.2	11.7	14.8	17.9	20.7	21.7	23.2	24.1	33.9	49.0	20.9	18.2	1.78
TRENTON SITE 01	66	21	4.2	5.8	7.9	9.0	12.2	13.0	13.7	14.7	18.2	25.8	34.5	14.2	12.3	1.75
NEW MEXICO ALBUQUERQUE SITE 01	66	25	.0	.0	.3	.6	.8	.9	1.1	1.2	1.3	1.8	3.0	.9	.7	2.57
	67	26	1.2	1.5	1.8	1.8	2.2	2.7	2.8	3.3	3.6	4.7	5.9	2.8	2.6	1.54
	66 67	51	.0	.3	.9	1.1	1.2	1.8	1.8	2.4	3.0	3.6	5.9	1.9	1.3	2.08
NEW YORK ALBANY SITE 01	* 66	52	1.1	5.0	5.7	8.0	9.5	10.9	12.9	15.9	17.2	24.6	33.5	12.7	10.4	1.99
	* 67	42	4.1	4.9	6.4	7.2	8.9	10.4	11.4	12.9	16.1	20.9	25.3	11.4	10.1	1.66
	66 67	94	1.1	4.9	6.0	7.9	9.2	10.6	12.3	13.5	16.8	23.8	33.5	12.1	10.2	1.83
BINGHAMTON SITE 02	67	48	2.8	4.0	5.1	5.9	6.4	6.9	8.0	9.4	11.0	12.5	17.9	8.1	7.4	1.55
BUFFALO SITE 01	* 66	52	5.3	8.0	9.4	11.6	13.3	15.0	16.4	17.0	21.3	26.6	39.9	16.2	14.6	1.58
	* 67	48	1.4	4.5	6.2	7.4	8.8	10.3	11.7	13.3	16.6	20.5	34.7	12.0	10.1	1.85
	66 67	100	1.4	6.0	7.6	9.2	10.8	12.3	14.6	16.4	18.5	25.3	39.9	14.1	12.1	1.72
ELMIRA SITE 01	* 66	49	1.9	3.8	5.3	5.8	7.4	8.3	9.4	10.1	11.7	15.7	24.5	8.7	7.6	1.70
	* 67	38	2.8	3.9	4.1	4.5	5.2	5.7	5.8	7.1	8.0	11.0	13.9	6.3	5.9	1.45
	66 67	87	1.9	3.9	4.2	5.5	5.8	7.0	7.9	9.1	10.2	12.0	24.5	7.5	6.7	1.59
MASSENA SITE 01	* 66	57	.3	2.6	3.8	4.7	5.4	6.3	7.5	8.5	9.0	13.0	30.6	7.2	5.9	2.04
MT VERNON SITE 01	* 66	60	2.0	6.0	7.1	8.1	10.8	12.3	14.3	16.1	19.1	21.1	30.7	13.3	11.5	1.77
NEW ROCHELLE SITE 02	* 66	56	2.4	6.5	10.1	11.3	12.2	13.9	15.8	18.0	22.5	25.5	36.9	15.3	13.4	1.77
	* 67	46	4.4	6.8	9.6	10.8	11.3	12.7	13.4	17.0	23.9	28.8	30.7	15.4	13.6	1.66
	66 67	102	2.4	6.8	9.6	11.0	11.6	13.2	15.5	17.8	23.0	28.1	36.9	15.4	13.5	1.71
NEW YORK CITY SITE 01	66	24	9.2	9.6	10.7	12.7	13.3	16.9	23.1	24.5	26.6	27.3	30.9	18.7	17.2	1.52
	67	21	3.6	10.1	19.5	20.9	23.3	29.3	35.6	43.0	51.9	54.1	66.8	32.2	26.5	2.06
	66 67	45	3.6	9.6	11.0	16.3	19.5	23.1	24.5	27.3	32.4	51.9	66.8	25.5	21.4	1.80
POUGHKEEPSIE SITE 01	* 66	58	1.6	5.3	6.1	7.4	11.2	12.3	14.3	17.3	19.5	23.7	40.1	13.5	11.4	1.88
ROCHESTER SITE 01	* 66	56	2.3	5.3	7.4	8.1	9.7	10.4	11.4	12.0	14.0	15.9	18.8	10.5	9.6	1.60
	* 67	48	2.5	4.0	6.5	7.1	8.1	9.4	10.3	11.4	12.8	16.0	28.9	9.8	8.8	1.64
	66 67	104	2.3	4.5	6.7	7.6	8.7	10.0	10.9	11.9	13.2	15.9	28.9	10.2	9.2	1.62
SCHENECTADY SITE 01	* 66	56	.6	5.7	7.2	9.3	9.8	11.2	14.2	18.3	20.8	24.7	36.6	13.7	11.4	1.98
	* 67	46	3.3	4.8	6.7	7.3	9.0	10.6	12.4	14.2	16.9	22.1	45.9	12.3	10.5	1.76
	66 67	102	.6	5.0	6.8	8.7	9.7	10.9	13.1	15.5	18.9	22.4	45.9	13.0	10.9	1.87
SYRACUSE SITE 01	* 66	56	2.2	4.5	5.8	7.3	9.1	9.6	10.2	11.4	12.6	14.1	17.3	9.5	8.7	1.58
	* 67	50	.0	4.4	5.6	6.1	6.9	7.3	8.8	9.7	13.3	14.7	32.9	9.5	7.8	2.22
	66 67	106	.0	4.5	5.7	6.2	7.6	9.0	9.7	10.8	13.0	14.5	32.9	9.5	8.2	1.92
TROY SITE 01	* 66	53	1.6	5.3	7.1	8.8	10.3	11.1	12.4	12.9	15.2	20.3	24.7	11.6	10.4	1.69
SITE 02	* 67	42	3.1	4.8	5.6	6.8	7.7	8.8	10.3	10.8	13.6	16.4	19.0	9.7	8.8	1.58

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, $\mu g/m^3$													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
UTICA SITE 01	* 66	56	3.6	5.4	6.4	7.7	9.2	10.1	10.8	11.8	14.1	16.2	21.9	10.3	9.5	1.53
	* 67	50	2.9	4.7	5.7	6.5	6.8	7.6	8.6	10.1	12.1	14.6	22.9	8.9	8.1	1.52
	66 67	106	2.9	5.2	6.2	6.6	7.7	9.0	10.1	11.5	12.5	16.1	22.9	9.6	8.8	1.52
NORTH CAROLINA CHARLOTTE SITE 01	66	26	4.0	5.4	6.7	7.0	8.1	8.5	9.4	10.0	12.7	17.7	24.6	9.8	9.0	1.53
	67	25	4.0	4.6	5.9	6.3	7.2	8.5	8.7	10.2	11.6	14.0	16.0	8.8	8.2	1.49
	66 67	51	4.0	5.3	6.2	6.8	7.5	8.5	9.1	10.2	12.2	14.9	24.6	9.3	8.6	1.51
OHIO AKRON SITE 01	66	25	5.4	7.6	8.3	10.2	10.5	13.2	14.6	15.2	17.4	25.6	33.9	14.6	13.1	1.62
	67	26	2.3	6.0	8.2	11.8	13.2	13.7	14.9	15.5	17.2	22.0	26.9	13.6	12.0	1.78
	66 67	51	2.3	6.1	8.3	10.5	12.7	13.7	14.9	15.4	17.4	23.4	33.9	14.1	12.5	1.70
CINCINNATI SITE 01	66	25	5.5	6.2	7.3	8.4	9.3	11.5	12.1	16.0	19.4	25.8	58.9	15.0	12.4	1.80
	67	25	4.9	5.6	6.6	7.5	8.2	9.2	10.4	12.5	13.5	15.0	21.8	10.3	9.6	1.46
	66 67	50	4.9	5.9	7.2	7.5	9.1	9.9	12.0	13.5	15.7	21.8	58.9	12.7	10.9	1.64
SITE 03	66	118	2.3	4.0	5.4	6.3	7.9	9.0	10.3	12.2	14.9	21.3	34.9	10.6	8.4	1.81
CLEVELAND SITE 01	66	26	4.1	6.2	7.3	8.5	8.8	11.7	12.7	14.4	15.2	19.8	26.4	12.1	11.0	1.56
	67	26	3.6	5.3	6.7	8.5	9.2	9.9	11.5	13.2	14.2	16.3	36.4	11.3	10.1	1.61
	66 67	52	3.6	6.0	7.3	8.5	9.0	10.4	12.7	13.2	14.7	17.0	36.4	11.7	10.5	1.59
COLUMBUS SITE 01	66	25	4.0	4.8	7.1	8.2	8.7	10.5	12.2	13.7	14.6	23.8	24.6	12.0	10.7	1.66
	67	26	1.8	6.3	6.8	6.9	8.4	8.6	8.9	9.8	10.6	13.1	22.8	9.0	8.3	1.56
	66 67	51	1.8	6.3	6.8	8.0	8.6	8.9	9.8	11.1	13.2	17.5	24.6	10.5	9.4	1.61
DAYTON SITE 01	66	26	4.5	4.9	5.5	6.5	7.6	8.3	9.7	10.1	12.8	21.3	27.5	10.0	8.9	1.64
	67	26	3.5	5.2	6.2	7.0	8.9	9.4	11.9	13.7	15.3	18.5	27.9	11.2	9.9	1.67
	66 67	52	3.5	5.0	5.7	6.9	8.2	8.9	10.1	12.6	14.7	18.5	27.9	10.6	9.3	1.65
TOLEDO SITE 01	66	26	4.3	5.7	6.4	7.9	8.3	8.5	10.9	12.7	13.0	15.5	38.0	11.0	9.8	1.60
	67	26	2.6	5.6	7.6	9.3	9.8	10.3	10.7	11.5	13.9	17.8	22.4	10.8	9.8	1.59
	66 67	52	2.6	5.7	6.7	8.3	9.3	9.8	10.8	12.4	13.2	16.7	38.0	10.9	9.8	1.60
YOUNGSTOWN SITE 01	66	26	5.6	6.3	8.6	8.9	10.1	10.7	12.9	13.6	19.0	23.6	28.1	12.9	11.7	1.58
	67	26	4.1	5.6	7.5	8.7	10.7	11.9	14.8	15.4	16.2	19.6	35.7	13.1	11.5	1.69
	66 67	52	4.1	6.3	7.5	8.9	10.4	11.2	13.0	15.4	16.9	21.0	35.7	13.0	11.6	1.64
OKLAHOMA OKLAHOMA CITY SITE 01	66	26	2.0	2.6	3.0	3.0	4.1	4.3	5.1	6.4	6.6	7.8	9.3	4.9	4.4	1.55
	67	25	1.6	1.7	2.1	3.0	3.2	3.7	4.5	4.9	5.2	7.6	16.9	4.7	3.9	1.81
	66 67	51	1.6	2.1	2.8	3.0	3.6	4.1	4.6	5.2	6.4	7.6	16.9	4.8	4.1	1.68
TULSA SITE 01	66	25	1.9	2.1	2.6	3.3	3.7	4.1	4.5	5.3	5.8	8.6	10.4	4.7	4.2	1.63
	67	25	1.4	2.2	2.3	2.6	2.7	3.0	3.2	4.9	5.6	8.8	13.5	4.4	3.7	1.79
	66 67	50	1.4	2.1	2.5	2.7	3.1	3.4	4.3	4.9	5.8	8.6	13.5	4.6	3.9	1.71
OREGON EUGENE SITE 01	67	24	1.1	1.4	1.6	1.9	2.5	2.8	3.1	3.6	4.2	6.7	7.9	3.2	2.8	1.75
MEDFORD SITE 01	67	26	.3	1.3	1.7	1.9	2.2	2.2	2.8	3.9	4.4	5.1	6.5	2.9	2.5	1.94
PORTLAND SITE 01	66	22	2.1	2.9	3.4	3.6	5.1	5.2	6.0	6.5	9.9	14.5	16.7	6.7	5.6	1.80
	67	26	1.7	2.6	3.7	4.6	5.8	6.3	6.8	8.1	8.3	9.9	15.9	6.5	5.7	1.72
	66 67	48	1.7	2.6	3.6	4.5	5.2	5.8	6.5	7.4	8.4	11.5	16.7	6.6	5.6	1.76
PENNSYLVANIA ALLENTOWN SITE 01	67	25	3.6	7.9	9.3	11.1	11.7	13.5	14.7	19.2	21.2	23.4	64.1	16.7	14.2	1.76
ALTOONA SITE 01	67	25	5.3	6.8	7.2	8.0	8.9	10.6	11.1	12.8	14.1	17.0	21.9	11.1	10.3	1.46
BETHLEHEM SITE 01	67	25	6.5	6.9	8.2	9.9	10.4	12.9	13.4	20.9	27.4	34.1	56.5	18.1	14.7	1.88

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³														Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean		
				10	20	30	40	50	60	70	80	90					
ERIE SITE 01	67	26	4.1	4.7	7.5	8.9	10.1	10.8	11.9	12.8	13.0	18.1	19.8	11.0	10.1		1.54
LANCASTER SITE 01	66	26	4.0	7.3	9.3	10.4	11.6	12.5	16.4	17.8	19.3	23.8	25.7	14.2	12.9		1.60
	67	24	4.6	5.2	7.2	9.0	10.5	11.4	11.8	13.2	14.7	17.6	38.5	12.2	10.9		1.60
	66 67	50	4.0	5.7	7.6	9.5	11.2	11.8	12.7	14.7	17.7	19.6	38.5	13.2	11.8		1.60
PHILADELPHIA SITE 01	66	24	7.9	9.2	11.5	14.6	17.4	19.1	20.2	20.5	24.9	31.7	44.4	19.4	17.7		1.56
	67	25	7.2	11.4	12.6	14.2	15.0	19.7	20.6	27.5	33.0	36.4	46.6	21.7	19.4		1.63
	66 67	49	7.2	10.5	12.4	14.2	16.2	19.4	20.2	21.4	28.4	35.6	46.6	20.6	18.5		1.59
SITE 02	66	150	2.4	8.7	11.0	12.3	15.0	16.8	19.8	22.0	24.1	30.3	73.3	19.0	16.5		1.73
PITTSBURGH SITE 01	66	26	4.1	5.9	6.9	8.1	9.6	11.5	12.9	15.6	16.3	23.4	24.3	12.7	11.4		1.64
	67	25	5.2	7.4	8.4	9.8	10.8	11.8	13.7	14.8	16.5	23.1	28.1	13.4	12.2		1.54
	66 67	51	4.1	6.5	7.9	9.5	10.8	11.8	13.7	15.1	16.5	23.1	28.1	13.1	11.8		1.59
READING SITE 01	66	25	2.6	6.0	6.6	8.2	9.8	12.4	16.3	23.4	25.0	35.1	51.1	17.5	13.6		2.10
	67	25	1.9	4.8	6.7	11.0	11.3	12.0	13.3	14.4	18.8	21.5	48.6	14.7	12.0		1.98
	66 67	50	1.9	5.3	6.7	9.5	11.2	12.0	13.9	18.7	22.8	31.8	51.1	16.1	12.8		2.04
SCRANTON SITE 01	67	23	5.8	9.8	10.3	10.8	14.7	19.1	26.5	30.7	35.6	39.9	67.6	23.9	19.6		1.92
WARMINSTER SITE 01	66	25	3.3	4.2	5.1	6.6	8.1	10.2	11.8	12.6	13.9	21.6	25.7	11.0	9.4		1.77
	67	23	5.0	6.9	9.3	10.5	11.7	12.9	15.0	17.7	18.4	23.0	37.3	14.7	13.1		1.63
	66 67	48	3.3	5.0	6.6	9.3	10.5	11.7	12.9	14.7	17.7	22.4	37.3	12.9	11.1		1.70
WEST CHESTER SITE 01	67	26	2.6	4.9	5.2	6.1	7.9	9.1	11.3	11.5	12.7	13.8	21.8	9.4	8.5		1.62
YORK SITE 01	67	26	4.6	5.5	7.5	8.6	9.3	10.1	12.3	15.4	15.6	18.2	32.2	12.2	10.8		1.64
PUERTO RICO BAYAMON SITE 01	66	26	1.9	2.8	3.8	4.1	6.9	9.8	15.5	18.2	19.2	27.6	38.6	12.8	9.0		2.46
	67	25	3.4	4.2	5.1	6.6	7.9	9.6	13.0	21.5	22.8	24.7	37.6	14.0	11.0		2.07
	66 67	51	1.9	3.4	4.2	5.3	7.7	9.8	15.5	18.3	22.1	24.7	38.6	13.4	10.0		2.27
CATANO SITE 01	66	24	3.1	3.2	3.4	3.6	3.7	4.7	5.1	5.6	6.8	8.7	10.7	5.1	4.8		1.45
GUAYANILLA SITE 01	66	25	1.2	1.5	1.7	1.8	1.9	2.0	2.0	2.4	3.2	4.2	4.4	2.4	2.2		1.48
	67	23	.7	1.7	1.7	1.8	2.2	2.6	2.8	3.4	3.9	5.0	12.9	3.3	2.7		1.88
	66 67	48	.7	1.5	1.7	1.8	1.9	2.0	2.6	3.0	3.9	4.4	12.9	2.9	2.4		1.69
PONCE SITE 01	66	26	1.2	1.7	2.0	2.6	2.8	2.8	3.3	3.9	4.9	7.5	8.8	3.7	3.2		1.71
	67	24	.8	2.3	2.5	2.9	3.2	4.1	5.0	5.7	6.8	7.1	8.4	4.5	3.9		1.73
	66 67	50	.8	1.8	2.3	2.6	2.8	3.2	3.9	4.9	6.6	7.2	8.8	4.1	3.6		1.72
RHODE ISLAND EAST PROVIDENCE SITE 01	67	26	2.2	4.1	5.5	5.6	6.6	8.7	9.7	12.0	14.5	17.7	23.6	10.0	8.5		1.79
PROVIDENCE SITE 01	66	24	4.0	7.5	8.7	9.7	10.6	12.2	14.4	15.4	16.8	24.2	34.2	14.1	12.6		1.61
	67	23	4.4	6.8	7.1	8.7	12.4	13.1	15.1	17.2	18.2	20.1	21.1	13.1	12.0		1.60
	66 67	47	4.0	7.0	8.3	9.7	11.1	12.4	15.0	15.7	17.4	21.1	34.2	13.6	12.3		1.61
SOUTH CAROLINA COLUMBIA SITE 01	66	23	2.2	2.3	2.8	3.9	6.0	6.2	7.7	8.6	9.6	11.0	20.8	7.3	6.0		1.91
	67	26	1.1	3.0	3.4	4.4	5.2	6.0	7.3	7.8	9.6	10.8	15.6	6.6	5.8		1.77
	66 67	49	1.1	2.8	3.3	4.4	5.2	6.1	7.4	8.4	9.6	11.0	20.8	7.0	5.9		1.84
GREENVILLE SITE 01	66	26	2.3	2.9	4.6	5.7	6.4	7.7	9.2	10.5	11.5	13.3	20.2	8.2	7.2		1.74
SOUTH DAKOTA SIOUX FALLS SITE 01	66	26	1.3	1.5	2.1	2.3	2.5	3.0	3.5	3.8	4.6	5.0	6.3	3.7	2.9		1.57
TENNESSEE CHATTANOOGA SITE 01	66	23	4.0	6.2	6.9	7.2	7.5	8.1	9.3	10.1	13.4	13.8	20.4	9.6	8.9		1.46
	67	22	1.7	5.2	5.5	6.4	6.7	7.3	8.5	9.8	12.2	13.3	17.6	8.5	7.6		1.67
	66 67	45	1.7	5.4	6.2	6.8	7.3	7.8	8.7	9.8	12.2	13.8	20.4	9.1	8.2		1.57

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³														Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
KNOXVILLE SITE 01	67	24	3.9	5.5	5.6	6.2	7.3	7.9	9.0	9.3	10.3	12.5	13.6	8.2	7.8	1.38
MEMPHIS SITE 01	66	26	2.3	3.9	4.0	4.4	5.2	6.0	6.7	9.3	9.8	13.5	24.2	7.6	6.6	1.72
	67	26	1.4	2.3	2.9	3.6	3.9	4.7	6.0	7.2	7.7	8.9	16.9	5.6	4.8	1.77
	66 67	52	1.4	2.7	3.7	4.0	4.7	5.3	6.5	7.4	8.9	10.7	24.2	6.6	5.6	1.75
NASHVILLE SITE 01	66	24	5.2	6.4	6.6	8.3	9.5	9.8	12.0	14.9	19.9	21.1	26.2	12.4	11.1	1.62
	67	25	3.1	4.8	6.2	6.6	6.8	7.1	8.7	11.4	12.8	16.6	20.1	9.2	8.4	1.57
	66 67	49	3.1	5.5	6.4	6.8	7.3	9.5	10.5	12.8	16.6	20.1	26.2	10.8	9.6	1.60
TEXAS DALLAS SITE 01	66	24	2.3	2.7	3.2	3.5	4.0	4.1	4.7	4.9	5.8	6.8	9.3	4.6	4.3	1.42
HOUSTON SITE 01	66	26	1.7	2.9	3.6	3.7	4.2	4.6	5.2	6.6	7.6	14.7	17.2	6.2	5.2	1.76
	67	26	1.8	2.5	3.4	4.9	5.6	6.2	9.4	12.3	14.1	18.1	25.2	8.9	7.0	2.08
	66 67	52	1.7	2.9	3.6	4.2	4.9	5.5	6.6	9.4	12.3	16.0	25.2	7.6	6.1	1.92
PASADENA SITE 01	67	24	2.2	2.6	3.4	4.2	5.4	5.6	7.0	7.4	8.0	15.0	18.0	6.8	5.7	1.79
SAN ANTONIO SITE 01	66	25	2.0	2.3	2.7	3.1	3.3	3.4	3.6	4.1	4.4	5.8	10.3	3.9	3.6	1.44
	67	25	.8	1.8	2.3	3.0	3.3	3.7	4.1	4.9	5.8	9.6	16.9	4.7	3.8	1.90
	66 67	50	.8	2.0	2.6	3.0	3.3	3.5	4.1	4.4	4.9	6.4	16.9	4.3	3.7	1.68
UTAH OGDEN SITE 01	66	24	1.4	1.9	2.1	2.5	2.8	3.1	4.1	4.5	6.3	8.2	27.2	4.8	3.7	1.90
SALT LAKE CITY SITE 01	56	24	1.8	2.9	3.5	3.6	4.4	5.1	5.9	6.0	7.5	16.4	27.8	6.9	5.5	1.90
	67	25	1.7	1.7	2.0	2.0	2.4	2.6	2.9	4.2	4.5	6.9	9.5	3.6	3.1	1.69
	66 67	49	1.7	1.9	2.2	2.6	3.3	3.6	4.5	5.7	6.0	9.5	27.8	5.3	4.1	1.80
VERMONT BURLINGTON SITE 01	66	25	4.3	5.0	5.8	6.9	7.2	8.0	9.3	12.1	15.0	16.8	21.6	10.1	9.0	1.61
VIRGINIA DANVILLE SITE 01	66	23	3.1	4.7	5.9	6.0	7.0	7.6	7.9	9.1	10.2	12.1	17.4	8.1	7.5	1.50
HAMPTON SITE 01	67	26	2.9	3.9	4.2	5.4	7.0	7.4	8.4	8.8	9.8	13.1	14.7	7.7	7.0	1.59
LYNCHBURG SITE 01	67	26	4.3	5.4	5.8	6.8	7.9	8.3	8.5	14.2	15.8	21.1	24.1	10.7	9.5	1.65
NORFOLK SITE 01	66	26	3.8	5.4	6.8	7.5	7.9	8.8	10.3	12.2	12.4	14.4	25.6	10.0	9.1	1.53
	67	25	4.5	6.4	6.5	7.5	9.2	10.3	11.0	11.8	14.7	19.2	22.3	11.2	10.2	1.52
	66 67	51	3.8	5.6	6.7	7.5	8.8	10.1	11.0	12.2	12.5	15.3	25.6	10.6	9.7	1.53
PORTSMOUTH SITE 01	67	26	2.9	4.8	6.4	6.8	7.9	9.1	10.2	13.0	13.7	16.1	20.7	10.1	9.2	1.60
RICHMOND SITE 01	67	26	3.9	5.4	6.4	7.2	7.4	8.0	9.4	11.4	11.7	14.9	19.0	9.3	8.7	1.45
ROANOKE SITE 01	67	25	3.6	5.0	5.9	7.4	7.8	8.8	9.4	9.8	11.4	15.4	17.8	9.3	8.6	1.49
WASHINGTON SEATTLE SITE 01	66	26	3.8	4.1	5.0	5.3	5.7	5.8	6.2	6.3	7.7	10.2	11.7	6.5	6.2	1.36
	67	26	2.7	3.1	3.6	4.3	5.1	5.2	5.4	6.1	6.4	8.0	12.1	5.5	5.2	1.44
	66 67	52	2.7	3.6	4.2	5.0	5.3	5.5	5.9	6.3	7.3	9.4	12.1	6.0	5.6	1.40
WEST VIRGINIA CHARLESTON SITE 01	66	22	2.8	7.2	8.9	9.8	11.1	18.1	27.7	41.2	52.6	60.3	70.1	27.2	19.0	2.53
	67	26	4.9	6.7	9.0	9.4	11.5	12.0	20.5	39.8	41.5	53.2	196.7	26.2	17.9	2.37
	66 67	48	2.8	6.7	9.0	9.8	11.5	17.1	21.3	39.8	43.0	60.3	196.7	26.7	18.4	2.45
WISCONSIN KENOSHA SITE 01	67	26	2.2	3.2	4.4	4.7	5.6	6.1	6.7	7.4	7.9	12.4	14.2	6.6	5.9	1.61

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MADISON SITE 01	67	26	2.0	2.6	3.2	3.5	4.2	4.5	5.4	5.9	6.5	8.3	10.3	5.0	4.6	1.55
MILWAUKEE SITE 01	66	26	3.2	4.1	5.6	6.1	6.6	7.2	8.1	8.7	11.1	22.9	36.5	10.1	8.2	1.81
	67	26	3.1	3.9	4.7	4.8	5.5	7.3	8.5	9.9	10.6	15.8	22.6	8.3	7.3	1.65
	66 67	52	3.1	4.1	4.8	5.5	6.4	7.2	8.4	9.3	10.6	16.1	36.5	9.2	7.7	1.73
WYOMING CASPER SITE 01	67	26	1.4	1.5	1.8	2.1	2.4	2.5	2.8	3.2	3.4	4.6	6.3	2.8	2.6	1.46
CHEYENNE SITE 01	66	26	1.1	1.3	1.4	1.4	1.7	2.0	2.3	2.5	2.8	3.3	3.7	2.1	2.0	1.44
	67	24	.5	.8	.8	.8	1.0	1.3	1.3	1.6	2.0	2.4	2.9	1.4	1.2	1.62
	66 67	50	.5	.8	1.0	1.3	1.4	1.5	1.8	2.1	2.4	2.8	3.7	1.8	1.6	1.53

*Data contributed by state or local agency.

Table 4-8. SULFATES, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev'
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
ARIZONA GRAND CANYON NAT PK SITE 01	66	25	.5	1.0	1.0	1.7	1.8	2.2	2.7	3.4	4.5	4.8	6.7	2.8	2.2	1.98
	67	25	.0	.3	.3	.6	.7	.8	.8	.8	1.1	2.0	3.1	.9	.7	2.29
	66 67	50	.0	.3	.6	.8	.8	1.1	1.7	2.0	3.1	4.5	6.7	1.9	1.3	2.14
ARKANSAS MONTGOMERY COUNTY SITE 01	66	25	1.4	1.9	2.5	3.0	3.1	3.4	3.8	4.6	5.0	6.1	6.7	3.9	3.5	1.50
	67	25	.8	1.3	1.6	2.4	2.9	3.6	3.9	4.4	4.5	6.5	8.7	3.6	3.0	1.88
	66 67	50	.8	1.5	1.9	2.8	3.1	3.4	3.9	4.5	4.9	6.1	8.7	3.7	3.3	1.70
CALIFORNIA HUMBOLDT COUNTY SITE 01	66	24	.9	1.3	1.6	1.7	1.8	2.0	2.2	2.5	3.2	4.0	4.9	2.3	2.1	1.55
	67	25	.9	1.4	1.4	1.7	1.9	2.1	2.3	3.2	3.4	3.7	4.9	2.4	2.2	1.53
	66 67	49	.9	1.3	1.6	1.7	1.9	2.1	2.3	2.9	3.4	3.7	4.9	2.4	2.2	1.54
COLORADO MESA VERDE NAT PK SITE 01	66	25	.7	.8	1.1	1.3	1.5	1.8	1.9	2.2	2.4	2.5	4.4	1.9	1.7	1.58
	67	24	.0	.0	.3	.3	.6	.6	.6	.6	.9	1.1	1.7	.6	.5	2.16
	66 67	49	.0	.3	.6	.6	.7	1.1	1.3	1.7	2.1	2.4	4.4	1.3	.9	1.89
DELAWARE KENT COUNTY SITE 01	66	25	4.1	4.4	4.7	5.8	7.3	8.6	9.6	11.8	13.1	19.4	24.7	10.1	8.8	1.73
	67	25	3.6	5.0	6.1	7.8	8.1	10.4	12.2	13.6	14.6	17.9	22.0	10.9	9.8	1.64
	66 67	50	3.6	4.4	5.5	6.9	7.8	8.6	10.8	13.1	14.6	17.9	24.7	10.5	9.3	1.69
IDAHO BUTTE COUNTY SITE 01	67	25	.0	.3	.3	.5	.5	.5	.5	.7	.8	1.6	2.3	.7	.5	2.09
INDIANA MONROE COUNTY SITE 01	66	22	.7	2.9	3.7	4.0	4.4	4.9	5.9	7.8	9.6	11.7	25.3	6.8	5.4	2.04
	67	24	3.3	3.8	4.6	5.0	5.6	5.7	6.5	7.0	8.1	9.3	9.8	6.2	5.9	1.36
	66 67	46	.7	3.3	4.0	4.6	5.0	5.7	5.9	7.8	8.1	9.8	25.3	6.5	5.7	1.73
PARKE COUNTY SITE 01	66	25	1.9	2.4	2.8	3.8	4.1	5.8	6.4	7.6	8.7	13.5	51.2	7.9	5.7	2.10
	67	21	2.0	2.7	3.2	3.9	4.1	4.8	5.1	5.4	6.5	11.4	12.8	5.5	4.8	1.66
	66 67	46	1.9	2.4	3.1	3.8	4.1	5.1	5.7	6.8	7.7	12.2	51.2	6.7	5.2	1.89
IOWA DELAWARE COUNTY SITE 01	66	23	1.2	1.4	2.0	2.3	2.4	2.9	2.9	3.7	4.0	7.0	13.2	3.5	2.9	1.74
MAINE ACADIA NAT PK SITE 01	66	24	2.4	2.9	3.1	3.8	4.2	4.4	4.9	5.5	6.3	9.3	14.0	5.4	4.8	1.57
	67	20	1.0	2.3	2.8	3.4	3.6	4.4	5.1	6.3	6.5	8.6	28.4	6.2	4.7	2.02
	66 67	44	1.0	2.7	3.0	3.6	4.2	4.4	5.1	6.0	6.5	9.3	28.4	5.8	4.8	1.81
MARYLAND CALVERT COUNTY SITE 01	66	25	2.5	5.3	5.3	5.5	5.6	7.4	7.7	10.0	10.8	12.8	16.7	8.0	7.3	1.55
	67	26	.6	3.6	5.6	6.1	7.2	7.4	8.6	9.7	13.5	15.2	21.4	8.9	7.4	2.03
	66 67	51	.6	4.4	5.3	5.6	6.1	7.4	8.4	9.7	11.3	14.6	21.4	8.5	7.4	1.80
MISSISSIPPI JACKSON COUNTY SITE 01	66	26	1.1	2.4	3.2	3.2	4.1	4.5	5.4	6.1	6.7	9.4	13.7	5.3	4.6	1.73
	67	25	1.1	2.4	3.3	3.5	3.9	4.0	5.5	6.8	7.5	9.6	10.6	5.3	4.6	1.76
	66 67	51	1.1	2.4	3.2	3.4	3.9	4.5	5.5	6.3	7.3	9.4	13.7	5.3	4.6	1.74
MISSOURI SHANNON COUNTY SITE 01	66	24	1.5	2.2	3.4	3.7	3.9	4.4	4.6	5.2	6.0	6.2	14.1	4.7	4.2	1.58
	67	24	.9	1.5	2.0	2.9	3.4	4.2	5.4	5.9	6.6	8.2	14.9	4.9	3.9	2.01
	66 67	48	.9	2.0	2.4	3.4	3.9	4.4	4.7	5.4	6.0	7.5	14.9	4.8	4.1	1.80
MONTANA GLACIER NAT PK SITE 01	66	24	.7	1.0	1.0	1.2	1.2	1.3	1.4	1.4	1.7	1.9	2.2	1.4	1.3	1.30
	67	25	.3	.6	.6	.9	.9	.9	1.2	1.5	1.8	2.0	5.3	1.3	1.1	1.82
	66 67	49	.3	.6	.9	.9	1.2	1.2	1.3	1.5	1.8	2.0	5.3	1.4	1.2	1.59
NEBRASKA THOMAS COUNTY SITE 01	66	26	1.0	1.2	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.7	5.5	2.1	2.0	1.61
	67	25	.3	.5	.7	.9	1.0	1.0	1.3	1.7	2.1	2.6	5.1	1.5	1.2	2.03
	66 67	51	.3	.7	1.0	1.2	1.6	1.8	1.9	2.2	2.3	2.6	5.5	1.8	1.5	1.74
NEVADA WHITE PINE COUNTY SITE 01	66	22	.9	.9	1.2	1.3	1.4	1.4	1.6	1.6	1.8	1.9	6.9	1.7	1.5	1.52
	67	23	.0	.2	.2	.2	.5	.5	.5	.5	.9	1.0	1.5	.5	.4	2.10
	66 67	45	.0	.2	.4	.5	.7	.9	1.2	1.4	1.6	1.8	6.9	1.1	.8	1.83

*Data contributed by state or local agency.

Table 4-8 (continued). SULFATES, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
NEW HAMPSHIRE COOS COUNTY SITE 01	66	26	1.6	2.5	3.1	3.4	3.7	3.9	4.8	6.5	8.4	13.3	15.3	5.9	4.9	1.86
	67	26	1.6	1.9	2.7	3.4	4.3	4.8	5.6	7.5	8.3	12.0	18.3	6.0	4.9	1.88
	66 67	52	1.6	2.3	2.9	3.4	3.8	4.4	5.4	6.6	8.4	12.0	18.3	6.0	4.9	1.87
NEW MEXICO RIO ARRIBA COUNTY SITE 01	66	24	1.1	1.2	1.6	1.8	1.9	1.9	2.1	2.4	2.7	2.9	3.1	2.1	2.0	1.34
	67	23	.3	.5	.5	.6	.6	.6	.8	.9	1.1	1.2	4.3	.9	.7	1.73
	66 67	47	.3	.5	.6	.8	1.1	1.2	1.7	1.9	2.3	2.9	4.3	1.5	1.2	1.55
NEW YORK JEFFERSON COUNTY SITE 01	66	26	1.9	2.4	2.7	3.1	3.6	3.9	5.3	7.7	9.4	14.2	21.2	6.5	5.1	2.02
	67	26	1.4	1.8	2.9	2.9	5.2	6.0	6.8	7.7	10.3	11.1	30.5	7.3	5.4	2.17
	66 67	52	1.4	2.2	2.7	3.1	3.6	5.2	6.3	7.7	10.3	12.8	30.5	6.9	5.2	2.09
NORTH CAROLINA CAPE HATTERAS SITE 01	66	23	1.6	2.8	4.7	4.9	5.8	6.4	7.5	8.7	12.0	17.9	28.9	8.4	6.7	2.00
	67	23	1.4	2.9	3.9	4.3	5.3	6.3	7.5	8.6	9.0	12.3	12.9	6.6	5.8	1.74
	66 67	46	1.4	2.8	3.9	4.7	5.7	6.3	7.5	8.6	9.2	12.9	28.9	7.5	6.2	1.87
OKLAHOMA CHEROKEE COUNTY SITE 01	66	26	1.6	2.2	2.7	2.7	4.0	4.3	4.8	6.7	7.0	8.0	9.7	4.8	4.3	1.67
	67	25	.7	1.2	1.8	2.9	3.2	3.6	4.2	5.5	6.3	6.9	15.6	4.4	3.5	2.03
	66 67	51	.7	1.8	2.7	2.8	3.4	4.2	4.5	6.2	6.8	7.5	15.6	4.6	3.9	1.85
OREGON CURRY COUNTY SITE 01	66	24	1.4	1.7	2.1	2.8	2.8	2.9	3.5	4.1	4.7	5.1	10.1	3.6	3.2	1.60
	67	25	.7	.9	1.4	1.8	2.1	2.7	2.8	3.2	3.5	4.7	4.8	2.6	2.3	1.71
	66 67	49	.7	1.4	1.8	2.1	2.7	2.8	3.2	3.5	4.5	4.8	10.1	3.1	2.7	1.66
PENNSYLVANIA CLARION COUNTY SITE 01	66	24	3.0	3.6	3.8	5.1	5.6	6.0	7.4	8.7	9.9	13.3	22.5	7.5	6.6	1.67
	67	24	3.0	3.6	3.6	5.3	5.9	9.1	9.9	11.3	14.7	19.4	26.3	9.7	8.0	1.90
	66 67	48	3.0	3.6	3.8	5.1	5.8	6.4	8.9	9.9	11.8	16.6	26.3	8.6	7.3	1.79
RHODE ISLAND WASHINGTON COUNTY SITE 01	66	23	2.5	4.0	4.0	4.6	5.4	6.1	7.3	9.1	9.9	11.7	26.2	7.7	6.6	1.71
	67	24	3.9	4.3	5.0	5.3	6.8	7.0	8.8	11.0	14.6	18.4	27.4	10.1	8.5	1.79
	66 67	47	2.5	4.0	4.5	5.1	6.0	6.8	8.6	9.5	11.7	16.2	27.4	8.9	7.5	1.75
SOUTH CAROLINA RICHLAND COUNTY SITE 01	66	26	1.6	3.0	3.3	3.8	4.2	4.8	5.2	5.8	5.8	7.9	19.5	5.4	4.8	1.60
	67	25	1.4	2.2	2.2	3.2	3.3	3.8	4.1	5.5	5.5	6.0	8.0	4.1	3.8	1.55
	66 67	51	1.4	2.2	3.0	3.3	3.8	4.2	5.0	5.5	5.8	6.8	19.5	4.8	4.2	1.58
SOUTH DAKOTA BLACK HILLS NAT FOR SITE 01	66	25	1.3	1.5	1.7	1.8	1.9	2.2	2.4	2.5	2.5	2.9	3.2	2.2	2.1	1.28
	67	25	.3	.5	.8	1.1	1.2	1.3	1.4	1.5	2.0	2.6	2.8	1.4	1.2	1.76
	66 67	50	.3	.8	1.2	1.4	1.5	1.8	2.0	2.3	2.5	2.7	3.2	1.8	1.6	1.55
TEXAS MATAGORDA COUNTY SITE 01	66	23	2.0	2.3	2.5	2.6	2.9	3.1	3.5	3.8	4.1	4.2	10.5	3.6	3.3	1.47
	67	25	.7	1.9	2.0	2.5	2.8	3.3	3.4	5.2	7.3	8.7	12.2	4.4	3.6	1.92
	66 67	48	.7	2.0	2.4	2.6	2.9	3.2	3.5	4.0	5.2	7.9	12.2	4.0	3.5	1.71
VERMONT ORANGE COUNTY SITE 01	66	26	1.2	2.6	3.8	4.0	4.6	4.9	5.4	6.0	9.2	11.3	12.5	5.9	5.2	1.75
	67	25	1.8	3.2	3.9	5.0	5.8	6.4	7.2	9.3	11.1	14.8	30.6	8.3	6.8	1.88
	66 67	51	1.2	3.2	3.9	4.5	5.0	5.7	6.1	8.3	10.2	12.5	30.6	7.1	5.9	1.82
VIRGINIA SHENANDOAH NAT PK SITE 01	66	25	2.0	2.4	3.4	3.7	4.6	5.2	5.7	6.6	8.0	9.4	12.5	5.7	5.1	1.63
	67	26	1.6	1.9	3.3	4.0	4.4	4.7	5.6	7.3	7.9	12.8	16.7	6.2	5.1	1.86
	66 67	51	1.6	2.4	3.4	4.0	4.5	5.1	5.7	6.7	8.0	9.8	16.7	6.0	5.1	1.75
WISCONSIN DOOR COUNTY SITE 01	67	20	.9	1.2	1.7	1.8	2.2	2.9	3.3	3.9	6.5	7.0	13.5	4.0	3.1	2.06
WYOMING YELLOWSTONE PARK SITE 01	66	25	.7	.9	1.5	1.5	1.7	1.7	2.0	2.1	2.2	2.7	3.1	1.8	1.7	1.45
	67	26	.3	.5	.5	.6	.8	1.0	1.0	1.1	1.4	1.7	1.9	1.0	.9	1.64
	66 67	51	.3	.5	.8	1.0	1.1	1.5	1.6	1.7	2.0	2.2	3.1	1.4	1.2	1.55

*Data contributed by state or local agency.

SECTION 5.

URBAN AND NONURBAN METALS

BLANK PAGE

Table 5-1. ANTIMONY, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collected	Above detect. quan.	
ALASKA ANCHORAGE SITE 01	63	26	0	
CALIFORNIA BURBANK SITE 01	60	26	0	
LONG BEACH SITE 01	65	25	0	
LOS ANGELES SITE 01	60	25	0	
PASADENA SITE 01	60	25	0	
SAN JOSE SITE 01	63	26	0	
KANSAS KANSAS CITY SITE 01	62	24	0	
MINNESOTA ST. PAUL SITE 01	58	23	0	
MISSOURI KANSAS CITY SITE 01	63	24	0	
NEW JERSEY ELIZABETH SITE 01	62	25	0	
GLASSBORO SITE 01	63	25	0	
JERSEY CITY SITE 01	63	25	0	
NEW YORK GLEN COVE SITE 01	60	21	0	
MASSENA SITE 01	60	24	0	
NEW ROCHELLE SITE 01	60	25	0	
TROY SITE 01	60	21	0	
NORTH CAROLINA ASHEVILLE SITE 01	62	25	0	
OREGON MEDFORD SITE 01	61	22	0	
TEXAS FORT WORTH SITE 01	62	25	1	.064
HOUSTON SITE 01	63	22	1	.050
	65	25	1	.049
	SUM	47	2	.050
UTAH SALT LAKE CITY SITE 01	63	26	0	

Table 5-2. ANTIMONY, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., µg/m³
		Collected	Above detect. quan.	
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	0	
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	0	
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	0	
COLORADO MESA VERDE NAT PK SITE 01	63	25	0	
FLORIDA MONROE COUNTY SITE 01	63	24	0	
HAWAII KAHALUU SITE 02	63	26	0	
INDIANA PARKE COUNTY SITE 01	64	26	0	
PUERTO RICO LOQUILLO MOUNTAINS SITE 01	59	26	1	.058

Table 5-3. BERYLLIUM 1966 URBAN QUARTERLY COMPOSITES[a]
($\mu g/m^3$)

	1st quarter	2nd quarter	3rd quarter	4th quarter	Year's average
ALABAMA					
Birmingham	0.0002	0.0002	0.0000	0.0004	0.0002
Mobile	0.0000	0.0000	0.0002	0.0000	0.0001
ILLINOIS					
Chicago	0.0003	0.0000	0.0003	0.0002	0.0002
INDIANA					
East Chicago	0.0003	0.0002	0.0004	0.0007	0.0004
Indianapolis	0.0000	0.0000	0.0004	0.0005	0.0002
KENTUCKY					
Ashland					
Covington	0.0005	0.0000	0.0002	0.0002	0.0002
Louisville	0.0000	0.0003	0.0000	0.0000	0.0001
MARYLAND					
Baltimore	0.0000	0.0000	0.0000	0.0003	0.0001
MICHIGAN					
Detroit	0.0000	0.0003	0.0002	0.0005	0.0003
NEW JERSEY					
Perth Amboy	0.0000	0.0000	0.0002	0.0000	0.0001
OHIO					
Akron	0.0000	0.0002	0.0003	0.0004	0.0002
Cincinnati	0.0000	0.0003	0.0000	0.0002	0.0001
Cleveland	0.0002	0.0002	0.0002	0.0000	0.0002
Dayton	0.0002	0.0002	0.0000	0.0002	0.0002
Youngstown	0.0002	0.0004	0.0009	0.0002	0.0004
PENNSYLVANIA					
Pittsburgh	0.0000	0.0000	0.0002	0.0000	0.0001
Reading	0.0004	0.0000	0.0005	0.0016	0.0006
Warminster	0.0003	0.0000	0.0000	0.0000	0.0001
VIRGINIA					
Danville	0.0002	0.0000	0.0000	0.0000	0.0001
WEST VIRGINIA					
Charleston	0.0004	0.0004	0.0006	0.0007	0.0005
WISCONSIN					
Milwaukee	0.0000	0.0000	0.0003	0.0000	0.0001

[a] Samples from all NASN monitoring sites were analyzed. The above table presents data only from those sites at which non-zero concentrations were detected.

Table 5-4. BERYLLIUM 1966 NONURBAN QUARTERLY COMPOSITES[a]

(μg/m^3)

	1st quarter	2nd quarter	3rd quarter	4th quarter	Year's average
DELAWARE					
Kent County	0.00010	0.00000	0.00000	0.00013	0.00006
INDIANA					
Monroe County	0.00000	0.00000	0.00000	0.00009	0.00002
Parke County	0.00010	0.00000	0.00000	0.00019	0.00007
MARYLAND					
Calvert County	0.00007	0.00000	0.00000	0.00000	0.00002
MISSISSIPPI					
Jackson County	0.00009	0.00000	0.00000	0.00000	0.00002
NEW HAMPSHIRE					
Coos County	0.00000	0.00000	0.00010	0.00000	0.00003
NEW YORK					
Jefferson County	0.00000	0.00000	0.00009	0.00000	0.00002
VIRGINIA					
Shenandoah Nat Pk	0.00000	0.00001	0.00000	0.00000	0.00000

[a] Samples from all NASN monitoring sites were analyzed. The above table presents data only from those sites at which non-zero concentrations were detected.

Table 5-5. BISMUTH, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collected	Above detect. quan.	
ALASKA ANCHORAGE SITE 01	63	26	0	
CALIFORNIA BURBANK SITE 01	60	26	0	
LONG BEACH SITE 01	65	25	0	
LOS ANGELES SITE 01	60	25	1	.002
PASADENA SITE 01	60	25	0	
SAN JOSE SITE 01	63	26	0	
KANSAS KANSAS CITY SITE 01	62	24	1	.003
MINNESOTA ST. PAUL SITE 01	58	23	0	
MISSOURI KANSAS CITY SITE 01	63	24	0	
NEW JERSEY ELIZABETH SITE 01	62	25	3	.002
GLASSBORO SITE 01	65	24	0	
JERSEY CITY SITE 01	63	25	2	.002
NEW YORK GLEN COVE SITE 01	60	21	1	.001
MASSENA SITE 01	60	24	0	
NEW ROCHELLE SITE 01	60	25	1	.001
TROY SITE 01	60	21	0	
NORTH CAROLINA ASHEVILLE SITE 01	62	24	0	
OREGON MEDFORD SITE 01	61	22	0	
TEXAS FORT WORTH SITE 01	62	25	1	.001
HOUSTON SITE 01	63	22	0	
	65	25	0	
	SUM	47	0	
UTAH SALT LAKE CITY SITE 01	63	26	0	

Table 5-6. BISMUTH, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., $\mu g/m^3$
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	2	.001
ARKANSAS MONTGOMERY COUNTY SITE 01	63	26	0	
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	0	
COLORADO MESA VERDE NAT PK SITE 01	63	25	0	
FLORIDA MONROE COUNTY SITE 01	63	24	0	
HAWAII KAHALUU SITE 02	63	26	0	
INDIANA PARKE COUNTY SITE 01	64	26	2	.003
PUERTO RICO LOQUILLO MOUNTAINS SITE 01	59	26	0	

Table 5-7. CADMIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
CALIFORNIA BURBANK SITE 01	60	26	.000	.000	.000	.000	.000	.000	.000	.000	.011	.017	.031	.004	.002	3.42
LONG BEACH SITE 01	65	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.026	.002	.001	2.38
LOS ANGELES SITE 01	60	25	.000	.000	.000	.000	.000	.009	.011	.012	.015	.020	.029	.009	.005	3.77
PASADENA SITE 01	60	25	.000	.000	.000	.000	.009	.010	.010	.011	.011	.015	.018	.008	.005	3.36
SAN JOSE SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.012	.000	.001	1.63
KANSAS KANSAS CITY SITE 01	62	24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.010	.017	.002	.002	2.58
MINNESOTA ST. PAUL SITE 01	58	23	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.011	.001	.001	2.18
MISSOURI KANSAS CITY SITE 01	63	24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.000	.001	1.57
NEW JERSEY ELIZABETH SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.010	.025	.028	.005	.002	3.84
GLASSBORO SITE 01	65	24	.000	.000	.000	.000	.000	.000	.000	.000	.007	.011	.037	.004	.002	3.15
JERSEY CITY SITE 01	63	25	.000	.000	.000	.000	.000	.000	.000	.010	.011	.019	.051	.007	.003	4.09
NEW YORK GLEN COVE SITE 01	60	21	.000	.000	.000	.000	.000	.000	.000	.000	.009	.019	.026	.004	.002	3.37
MASSENA SITE 01	60	24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
NEW ROCHELLE SITE 01	60	25	.000	.000	.000	.000	.000	.010	.011	.013	.016	.040	.160	.017	.005	5.12
NEW TROY SITE 01	60	21	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.022	.002	.001	2.48
NORTH CAROLINA ASHEVILLE SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.013	.001	.001	1.67
OREGON MEDFORD SITE 01	61	22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.013	.001	.001	2.08
TEXAS FT WORTH SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.014	.066	.005	.002	3.33
HOUSTON SITE 01	63	22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
	65	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
	63 65	47	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
UTAH SALT LAKE CITY SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.013	.001	.001	1.65

*Data contributed by state or local agency.

Table 5-8. CADMIUM, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collected	Above detect. quan.	
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	0	
ARKANSAS MONTGOMERY COUNTY SITE 01	63	26	0	
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	0	
COLORADO MESA VERDE NAT PK SITE 01	63	25	0	
FLORIDA MONROE COUNTY SITE 01	63	24	0	
HAWAII KAHALUU SITE 02	63	26	0	
INDIANA PARKE COUNTY SITE 01	64	26	0	
PUERTO RICO LOQUILLO MOUNTAINS SITE 01	59	26	1	.043

Table 5-9. CHROMIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.007	.001	.001	1.87
CALIFORNIA BURBANK SITE 01	60	26	.000	.014	.015	.015	.019	.020	.024	.040	.043	.051	.068	.028	.022	2.28
LONG BEACH SITE 01	65	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.005	.001	.001	1.71
LOS ANGELES SITE 01	60	25	.000	.014	.017	.023	.028	.031	.033	.037	.039	.043	.057	.030	.026	2.18
PASADENA SITE 01	60	25	.008	.010	.012	.016	.020	.025	.025	.027	.039	.051	.058	.027	.023	1.80
SAN JOSE SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.006	.010	.014	.002	.002	2.68
KANSAS KANSAS CITY SITE 01	62	24	.000	.000	.000	.000	.000	.000	.005	.005	.011	.015	.067	.006	.003	3.61
MINNESOTA ST. PAUL SITE 01	58	23	.000	.005	.006	.007	.008	.008	.009	.011	.011	.016	.024	.009	.008	2.11
MISSOURI KANSAS CITY SITE 01	63	24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.007	.008	.001	.001	2.10
NEW JERSEY ELIZABETH SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.007	.007	.017	.045	.006	.002	3.71
GLASSBORO SITE 01	65	24	.000	.000	.000	.000	.000	.000	.000	.004	.005	.007	.014	.003	.002	2.53
JERSEY CITY SITE 01	63	25	.000	.000	.000	.000	.000	.008	.009	.016	.021	.030	.082	.013	.005	4.47
NEW YORK GLEN COVE SITE 01	60	21	.000	.000	.005	.006	.007	.008	.009	.010	.016	.025	.029	.010	.007	2.69
MASSENA SITE 01	60	24	.000	.000	.004	.005	.007	.008	.010	.011	.016	.024	.038	.010	.007	2.87
NEW ROCHELLE SITE 01	60	25	.000	.005	.005	.006	.008	.012	.021	.034	.040	.053	.065	.021	.013	3.21
TROY SITE 01	60	21	.000	.000	.005	.006	.008	.011	.012	.015	.025	.032	.053	.015	.008	3.48
NORTH CAROLINA ASHEVILLE SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
OREGON MEDFORD SITE 01	61	22	.022	.031	.034	.037	.041	.044	.048	.052	.063	.070	.096	.048	.045	1.41
TEXAS FT WORTH SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.005	.005	.011	.014	.003	.002	2.68
HOUSTON SITE 01	63 65 63 65	22 25 47	.000 .000 .000	.000 .000 .000	.000 .000 .000	.000 .000 .000	.000 .000 .000	.000 .000 .000	.000 .000 .000	.000 .000 .000	.006 .005 .005	.008 .014 .014	.025 .100 .100	.003 .006 .005	.002 .002 .002	2.89 3.50 3.19
UTAH SALT LAKE CITY SITE 01	63	26ᵃ	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.011	.002	.001	2.31

ᵃData contributed by state or local agency.

NOT REPRODUCIBLE

Table 5-10. CHROMIUM NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	.000	.000	.000	.000	.000	.000	.002	.004	.009	.011	.021	.004	.002	2.91
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	.000	.000	.000	.000	.000	.000	.002	.002	.006	.007	.019	.003	.002	2.71
COLORADO MESA VERDE NAT PK SITE 01	63	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
FLORIDA MONROE COUNTY SITE 01	63	24	.000	.002	.003	.004	.006	.006	.008	.010	.016	.024	.036	.010	.006	2.67
HAWAII KAHALUU SITE 02	63	26	.000	.000	.000	.000	.000	.000	.000	.002	.003	.008	.009	.002	.002	2.12
INDIANA PARKE COUNTY SITE 01	64	26	.000	.000	.000	.008	.008	.009	.009	.011	.011	.011	.013	.007	.006	2.67
PUERTO RICO LUQUILLO MTS SITE 01	59	26	.012	.014	.020	.020	.024	.024	.028	.032	.037	.040	.270	.037	.028	1.84

NOT REPRODUCIBLE

*Data contributed by state or local agency.

Table 5-11. COBALT, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collec-ted	Above detect. quan.	
ALASKA ANCHORAGE SITE 01	63	26	0	
CALIFORNIA BURBANK SITE 01	60	26	0	
LONG BEACH SITE 01	65	25	0	
LOS ANGELES SITE 01	60	25	0	
PASADENA SITE 01	60	25	1	.008
SAN JOSE SITE 01	63	26	0	
KANSAS KANSAS CITY SITE 01	62	24	0	
MINNESOTA ST. PAUL SITE 01	58	23	0	
MISSOURI KANSAS CITY SITE 01	63	24	0	
NEW JERSEY ELIZABETH SITE 01	62	25	1	.007
GLASSBORO SITE 01	65	24	0	
JERSEY CITY SITE 01	63	25	0	

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collec-ted	Above detect. quan.	
NEW YORK GLEN COVE SITE 01	60	21	0	
MASSENA SITE 01	60	24	0	
NEW ROCHELLE SITE 01	60	25	0	
TROY SITE 01	60	21	0	
NORTH CAROLINA ASHEVILLE SITE 01	62	24	0	
OREGON MEDFORD SITE 01	61	22	0	
TEXAS FORT WORTH SITE 01	62	25	0	
HOUSTON SITE 01	63	22	0	
	65	25	0	
	SUM	47	0	
UTAH SALT LAKE CITY SITE 01	63	26	0	

Table 5-12. COBALT, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collec-ted	Above detect. quan.	
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	0	
ARKANSAS MONTGOMERY COUNTY SITE 01	63	26	0	
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	0	
COLORADO MESA VERDE NAT PK SITE 01	63	25	0	
FLORIDA MONROE COUNTY SITE 01	63	24	0	
HAWAII KAHALUU SITE 02	63	26	0	
INDIANA PARKE COUNTY SITE 01	64	26	0	
PUERTO RICO LOQUILLO MOUNTAINS SITE 01	59	26	1	.008

Table 5-13. COPPER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m^3													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.03	.03	.03	.04	.05	.06	.07	.10	.10	.13	.13	.07	.06	1.71
CALIFORNIA BURBANK SITE 01	60	26	.05	.05	.07	.08	.09	.11	.15	.17	.17	.23	.54	.14	.12	1.79
LONG BEACH SITE 01	65	25	.00	.01	.01	.02	.03	.04	.04	.05	.06	.06	.11	.04	.03	2.06
LOS ANGELES SITE 01	60	25	.03	.04	.05	.06	.07	.08	.10	.11	.12	.15	.25	.09	.08	1.68
PASADENA SITE 01	60	25	.07	.09	.11	.13	.14	.21	.24	.28	.31	.35	.40	.22	.19	1.72
SAN JOSE SITE 01	63	26	.04	.06	.07	.08	.09	.11	.13	.15	.24	.51	1.20	.21	.14	2.34
KANSAS KANSAS CITY SITE 01	62	24	.00	.01	.02	.02	.02	.03	.04	.04	.05	.05	.08	.03	.03	1.84
MINNESOTA ST PAUL SITE 01	58	23	.01	.02	.02	.03	.03	.03	.04	.04	.04	.06	.06	.03	.03	1.55
MISSOURI KANSAS CITY SITE 01	63	26	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.03	.01	.01	1.33
NEW JERSEY ELIZABETH SITE 01	62	25	.04	.06	.07	.10	.11	.12	.13	.15	.17	.28	.62	.15	.13	1.84
GLASSBORO SITE 01	65	24	.00	.03	.04	.04	.05	.06	.08	.10	.11	.13	.24	.08	.06	2.14
JERSEY CITY SITE 01	63	25	.02	.04	.05	.06	.06	.09	.12	.15	.17	.25	.79	.14	.10	2.21
NEW YORK MASSENA SITE 01	60	24	.01	.01	.01	.02	.02	.02	.03	.03	.03	.05	.42	.04	.02	2.36
NEW ROCHELLE SITE 01	60	25	.02	.03	.04	.07	.09	.10	.12	.14	.20	.30	.68	.15	.10	2.40
NORTH CAROLINA ASHEVILLE SITE 01	62	25	.02	.03	.03	.04	.04	.04	.05	.05	.06	.06	.09	.05	.04	1.44
OREGON MEDFORD SITE 01	61	22	.01	.02	.03	.03	.03	.03	.04	.04	.04	.05	.07	.04	.03	1.54
TEXAS FT WORTH SITE 01	62	25	.03	.04	.04	.06	.07	.07	.08	.09	.11	.15	.54	.11	.08	2.02
HOUSTON SITE 01	63	22	.01	.03	.04	.05	.06	.07	.08	.12	.14	.15	.18	.08	.07	2.11
	65	25	.03	.08	.10	.11	.15	.19	.19	.21	.23	.35	.42	.19	.16	1.83
	63 65	47	.01	.03	.06	.08	.10	.12	.15	.18	.20	.25	.42	.14	.10	1.97
UTAH SALT LAKE CITY SITE 01	58	26	.00	.00	.01	.03	.04	.05	.05	.06	.08	.14	.19	.06	.04	2.58
	63	26	.05	.07	.08	.10	.12	.13	.14	.17	.18	.27	.37	.15	.13	1.69
	64	24	.00	.04	.06	.07	.07	.08	.08	.09	.10	.11	.15	.08	.07	1.77
	58 64	74	.00	.02	.05	.06	.07	.08	.09	.11	.14	.18	.37	.10	.07	2.03

*Data contributed by state or local agency.

Table 5-14. COPPER, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev'
				Frequency distribution - percentile									Max	Arith mean	Geo mean	
			Min	10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	.01	.01	.01	.01	.01	.01	.02	.03	.03	.05	.15	.03	.02	2.11
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.04	.01	.01	1.33
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	.01	.01	.01	.02	.02	.02	.02	.03	.04	.05	.08	.03	.02	1.88
COLORADO MESA VERDE NAT PK SITE 01	63	25	.00	.00	.00	.01	.01	.02	.02	.02	.03	.03	.07	.02	.02	1.76
FLORIDA MONROE COUNTY SITE 01	63	24	.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.04	.01	.01	1.46
HAWAII KAHALUU SITE 02	63	26	.00	.01	.02	.02	.02	.02	.02	.03	.03	.07	.23	.03	.02	2.09
INDIANA PARKE COUNTY SITE 01	64	26	.01	.01	.02	.02	.02	.02	.03	.04	.05	.10	.17	.04	.03	2.12
PUERTO RICO LOQUILLO MTS SITE 01	59	26	.00	.00	.00	.01	.02	.02	.03	.04	.04	.06	.14	.03	.02	2.13

*Data contributed by state or local agency.

Table 5-15. IRON, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.1	.2	.3	.6	.8	1.0	1.6	2.6	3.0	5.3	6.7	1.9	1.0	3.40
CALIFORNIA BURBANK SITE 01	60	26	.6	.9	1.4	1.5	1.7	2.0	2.3	3.3	3.5	4.3	8.8	2.5	2.1	1.85
LONG BEACH SITE 01	65	25	.0	.3	.4	.7	.9	.9	1.0	1.0	1.4	1.5	2.1	.9	.8	2.06
LOS ANGELES SITE 01	60	25	.5	1.2	1.5	1.7	1.8	2.3	2.9	3.9	5.0	6.0	8.8	3.2	2.6	1.99
PASADENA SITE 01	60	25	.3	.4	.6	1.3	1.4	1.5	2.5	2.6	3.7	4.8	9.5	2.4	1.7	2.54
SAN JOSE SITE 01	63	[illegible]	.3	.3	.5	.7	.7	.8	1.2	1.4	1.7	3.2	8.8	1.5	1.0	2.31
KANSAS KANSAS CITY SITE 01	62	[illegible]	.2	.6	.8	.9	.9	1.1	1.3	1.5	2.1	2.7	4.1	1.4	1.2	1.99
MINNESOTA ST PAUL SITE 01	58	21	.6	.7	.8	.9	1.1	1.2	1.4	1.6	2.0	3.2	4.7	1.5	1.3	1.73
MISSOURI KANSAS CITY SITE 01	63	24	.1	.2	.4	.8	.9	1.0	1.2	1.2	1.6	1.9	2.6	1.1	.8	2.39
NEW JERSEY ELIZABETH SITE 01	62	25	.1	.4	.7	.7	.8	1.1	1.2	2.0	2.4	3.4	4.3	1.5	1.1	2.43
GLASSBORO SITE 01	65	24	.0	.1	.2	.3	.5	.5	.6	.6	.8	1.0	2.2	.6	.4	2.27
JERSEY CITY SITE 01	63	25	.3	.5	.6	.8	1.0	1.5	1.6	1.7	1.8	2.6	3.8	1.4	1.2	1.92
NEW YORK MASSENA SITE 01	60	24	.1	.2	.3	.3	.4	.5	.6	.8	1.3	1.3	2.4	.7	.5	2.21
NEW ROCHELLE SITE 01	60	25	.0	.4	.4	.6	.7	1.2	1.6	2.1	3.4	4.4	11.0	2.0	1.2	2.93
NORTH CAROLINA ASHEVILLE SITE 01	62	25	.2	.2	.3	.5	.5	.6	.7	.8	.8	1.1	1.3	.6	.6	1.80
OREGON MEDFORD SITE 01	61	22	.5	.7	1.1	1.2	1.3	1.5	2.6	2.8	3.0	3.4	7.1	2.2	1.8	1.96
TEXAS FT WORTH SITE 01	62	25	.0	.2	.3	.5	.5	.6	.7	.7	1.7	3.2	4.3	1.1	.7	2.76
HOUSTON SITE 01	63	22	.0	.2	.3	.4	.5	.7	1.0	1.0	1.3	3.2	4.1	1.1	.7	2.67
	65	25	.2	.4	.4	.6	.7	.8	.9	1.1	1.2	2.3	3.0	1.0	.8	1.93
	63 65	47	.0	.3	.4	.5	.6	.7	1.0	1.1	1.3	2.5	4.1	1.1	.8	2.30
UTAH SALT LAKE CITY SITE 01	58	24	.5	.6	.6	.7	.9	1.1	1.3	1.6	2.0	2.1	4.4	1.4	1.1	1.80
	63	26	.0	.2	.4	.5	.7	.7	.8	1.3	1.4	2.2	4.3	1.0	.8	2.35
	64	24	.2	.3	.4	.5	.7	.8	.9	1.1	1.2	1.5	2.1	.9	.7	1.81
	58 64	74	.0	.4	.5	.6	.7	.8	1.1	1.2	1.6	2.1	4.4	1.1	.9	1.99

*Data contributed by state or local agency.

Table 5-16. IRON, NONURBAN FREQUENCY DISTRIBUTIONS

	Year*	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	.0	.0	.0	.0	.1	.1	.1	.1	.2	.4	.5	.1	.1	1.72
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	.0	.1	.1	.1	.1	.2	.2	.2	.3	.4	.5	.2	.2	1.75
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.8	.1	.1	1.77
COLORADO MESA VERDE NAT PK SITE 01	63	25	.0	.0	.0	.0	.0	.0	.1	.3	.3	.4	.5	.1	.2	1.92
FLORIDA MONROE COUNTY SITE 01	63	24	.0	.0	.0	.0	.0	.1	.1	.2	.2	.3	.8	.1	.1	1.81
HAWAII KAHALUU SITE 02	63	26	.0	.1	.1	.2	.2	.2	.3	.4	.5	.8	1.1	.3	.3	2.03
INDIANA PARKE COUNTY SITE 01	64	26	.1	.2	.4	.5	.5	.6	.6	.6	.7	.8	.8	.5	.5	1.75
PUERTO RICO LOQUILLO MTS SITE 01	59	26	.3	.4	.4	.5	.7	.8	1.2	1.7	1.8	2.8	4.9	1.2	.9	2.21

*Data contributed by state or local agency.

Table 5-17. LEAD, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m^3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.0	.0	.1	.1	.1	.1	.2	.2	.3	.5	.7	.2	.2	1.91
CALIFORNIA BURBANK SITE 01	60	25	.4	.4	.8	1.2	1.4	1.6	1.8	2.9	4.3	7.1	13.0	2.8	1.8	2.59
LONG BEACH SITE 01	**65**	**25**	**.1**	**.3**	**.3**	**.4**	**.6**	**.9**	**1.1**	**1.6**	**2.1**	**2.6**	**3.2**	**1.2**	**.8**	**2.56**
LOS ANGELES SITE 01	60	25	.3	.5	1.0	1.6	1.8	2.2	2.8	3.1	3.6	4.9	7.2	2.6	2.0	2.25
PASADENA SITE 01	60	25	.4	.8	.8	1.0	1.1	1.3	1.8	2.1	2.5	4.0	5.5	1.8	1.4	1.97
SAN JOSE SITE 01	63	26	.1	.2	.3	.3	.4	.4	.5	.7	.9	2.2	3.0	.8	.5	2.45
KANSAS KANSAS CITY SITE 01	62	24	.0	.0	.0	.1	.1	.1	.2	.2	.2	.3	.7	.2	.2	1.74
MINNESOTA ST PAUL SITE 01	58	23	.1	.2	.2	.2	.2	.2	.2	.3	.3	.8	1.9	.4	.3	1.98
MISSOURI KANSAS CITY SITE 01	63	24	.0	.0	.1	.1	.1	.1	.1	.2	.2	.2	.2	.1	.1	1.40
NEW JERSEY ELIZABETH SITE 01	62	25	.1	.1	.2	.3	.3	.5	.5	.8	1.1	1.2	1.9	.6	.4	2.45
GLASSBORO SITE 01	**65**	**24**	**.0**	**.1**	**.1**	**.1**	**.2**	**.2**	**.3**	**.3**	**.4**	**.6**	**.9**	**.3**	**.2**	**1.96**
JERSEY CITY SITE 01	63	25	.0	.2	.4	.4	.6	.7	.8	.9	1.1	1.4	1.6	.7	.6	1.97
NEW YORK MASSENA SITE 01	60	24	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.1	.1	1.37
NEW ROCHELLE SITE 01	60	25	.2	.3	.5	.6	.7	1.0	1.3	1.7	2.4	3.7	16.0	2.0	1.1	2.76
NORTH CAROLINA ASHEVILLE SITE 01	62	25	.3	.3	.4	.4	.5	.5	.6	.6	.7	.9	2.6	.6	.5	1.64
OREGON MEDFORD SITE 01	61	22	.0	.1	.2	.2	.2	.2	.3	.3	.4	.5	.7	.3	.2	1.67
TEXAS FT WORTH SITE 01	62	25	.1	.3	.5	.6	.6	.6	.7	1.4	1.7	2.5	4.7	1.1	.8	2.34
HOUSTON SITE 01	63	22	.1	.2	.2	.3	.3	.4	.6	1.0	1.1	1.2	1.5	.6	.5	2.32
	65	25	.2	.3	.4	.6	.6	.7	.7	.9	1.0	1.2	2.3	.8	.7	1.81
	63 65	47	.1	.2	.3	.4	.6	.6	.7	.9	1.1	1.2	2.3	.7	.6	2.07
UTAH SALT LAKE CITY SITE 01	58	24	.0	.0	.0	.1	.1	.1	.2	.3	.4	.4	.8	.2	.2	1.94
	63	26	.0	.0	.1	.2	.2	.2	.3	.4	.5	.6	.8	.3	.3	2.02
	64	24	.1	.2	.2	.3	.3	.4	.5	.6	.7	.9	1.4	.5	.4	1.88
	58 64	74	.0	.0	.1	.2	.2	.3	.3	.4	.5	.7	1.4	.3	.3	1.95

---

*Data contributed by state or local agency.

Table 5-18. LEAD, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON NAT PK SITE 01	63	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	1.15
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
COLORADO MESA VERDE NAT PK SITE 01	63	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
FLORIDA MONROE COUNTY SITE 01	63	24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
HAWAII KAHALUU SITE 02	63	26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
INDIANA PARKE COUNTY SITE 01	64	26	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.21
PUERTO RICO LOQUILLO MTS SITE 01	69	26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00

*Data contributed by state or local agency.

Table 5-19. MANGANESE, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.00	.00	.00	.01	.02	.02	.03	.04	.08	.12	.18	.04	.03	2.62
CALIFORNIA BURBANK SITE 01	60	26	.00	.02	.03	.03	.04	.04	.06	.06	.07	.08	.14	.05	.04	1.82
LONG BEACH SITE 01	65	25	.00	.00	.00	.01	.01	.01	.01	.02	.02	.03	.03	.01	.01	1.56
LOS ANGELES SITE 01	60	25	.00	.02	.03	.03	.03	.04	.04	.06	.06	.08	.11	.05	.04	1.75
PASADENA SITE 01	60	25	.00	.01	.01	.02	.04	.04	.04	.05	.06	.07	.38	.05	.04	2.41
SAN JOSE SITE 01	63	26	.00	.00	.01	.02	.02	.03	.03	.04	.05	.06	.09	.03	.03	1.94
KANSAS KANSAS CITY SITE 01	62	24	.01	.02	.02	.02	.03	.03	.04	.05	.07	.07	.17	.05	.03	2.02
MINNESOTA ST PAUL SITE 01	58	23	.02	.02	.03	.03	.04	.05	.05	.06	.06	.08	.09	.05	.04	1.60
MISSOURI KANSAS CITY SITE 01	63	24	.00	.00	.01	.02	.02	.03	.03	.04	.06	.07	.21	.04	.03	2.15
NEW JERSEY ELIZABETH SITE 01	62	25	.00	.00	.01	.02	.02	.02	.03	.05	.05	.13	.15	.04	.03	2.28
GLASSBORO SITE 01	65	24	.00	.00	.02	.02	.02	.02	.02	.03	.05	.07	.09	.03	.03	1.97
JERSEY CITY SITE 01	63	25	.00	.00	.01	.02	.03	.03	.03	.04	.04	.07	.10	.03	.03	1.94
NEW YORK MASSENA SITE 01	60	24	.00	.00	.01	.01	.01	.02	.02	.02	.03	.04	.07	.02	.02	1.84
NEW ROCHELLE SITE 01	60	25	.01	.01	.01	.02	.02	.03	.03	.04	.05	.06	.11	.03	.03	2.03
NORTH CAROLINA ASHEVILLE SITE 01	62	25	.00	.00	.01	.01	.02	.02	.02	.02	.02	.04	.05	.02	.02	1.68
OREGON MEDFORD SITE 01	61	22	.04	.05	.07	.10	.11	.12	.15	.16	.17	.20	.37	.13	.12	1.72
TEXAS FT WORTH SITE 01	62	25	.01	.01	.01	.02	.02	.02	.02	.04	.05	.08	.13	.04	.03	2.18
HOUSTON SITE 01	63	22	.01	.01	.01	.02	.02	.02	.03	.06	.11	.27	.45	.08	.04	3.31
	65	25	.00	.01	.02	.03	.03	.04	.05	.08	.08	.09	.57	.07	.04	2.55
	63 65	47	.00	.01	.02	.02	.02	.03	.04	.07	.08	.19	.57	.08	.04	2.93
UTAH SALT LAKE CITY SITE 01	58	24	.00	.00	.02	.02	.03	.03	.04	.05	.08	.10	.13	.04	.03	2.18
	63	26	.00	.01	.02	.02	.02	.02	.03	.04	.05	.07	.12	.03	.03	1.94
	64	24	.00	.00	.01	.01	.02	.02	.02	.03	.03	.04	.05	.02	.02	1.79
	58 64	74	.00	.00	.01	.02	.02	.02	.03	.04	.05	.07	.13	.03	.03	1.97

*Data contributed by state or local agency.

Table 5-20. MANGANESE, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile								Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	1.00
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.00	1.00
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
COLORADO MESA VERDE NAT PK SITE 01	63	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	1.00
FLORIDA MONROE COUNTY SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	1.00
HAWAII KAHALUU SITE 02	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.01	1.15
INDIANA PARKE COUNTY SITE 01	64	26	.00	.00	.01	.01	.02	.02	.02	.03	.03	.03	.05	.02	.02	1.71
PUERTO RICO LOQUILLO MTS SITE 01	59	26	.00	.00	.00	.00	.00	.00	.00	.02	.03	.04	.08	.01	.02	1.89

*Data contributed by state or local agency.

Table 5-21. MOLYBDENUM, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., µg/m³
		Collected	Above detect. quan.	
ALASKA ANCHORAGE SITE 01	63	26	0	
CALIFORNIA BURBANK SITE 01	60	26	3	0.04
LONG BEACH SITE 01	65	25	0	
LOS ANGELES SITE 01	60	25	8	0.01
PASADENA SITE 01	60	25	1	0.01
SAN JOSE SITE 01	63	26	1	0.01
KANSAS KANSAS CITY SITE 01	62	24	1	0.01
MINNESOTA ST. PAUL SITE 01	58	23	0	
MISSOURI KANSAS CITY SITE 01	61	24	0	
NEW JERSEY ELIZABETH SITE 01	62	25	2	0.01
GLASSBORO SITE 01	65	24	0	
JERSEY CITY SITE 01	63	25	1	0.01
NEW YORK GLEN COVE SITE 01	60	21	2	0.01
MASSENA SITE 01	60	24	1	0.01
NEW ROCHELLE SITE 01	60	25	2	0.01
TROY SITE 01	60	21	2	0.04
NORTH CAROLINA ASHEVILLE SITE 01	62	25	0	
OREGON MEDFORD SITE 01	61	22	0	
TEXAS FORT WORTH SITE 01	62	25	3	0.02
HOUSTON SITE 01	63	22	4	0.02
	65	25	4	0.02
	SUM	47	8	0.02
UTAH SALT LAKE CITY SITE 01	63	26	5	0.03

Table 5-22. MOLYBDENUM, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., μg/m³
		Collected	Above detect. quan.	
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	0	
ARKANSAS MONTGOMERY COUNTY SITE 01	63	26	0	
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	0	
COLORADO MESA VERDE NAT PK SITE 01	63	25	0	
FLORIDA MONROE COUNTY SITE 01	63	24	0	
HAWAII KAHALUU SITE 02	63	26	0	
INDIANA PARKE COUNTY SITE 01	64	26	1	0.01
PUERTO RICO LOQUILLO MOUNTAINS SITE 01	59	26	0	

Table 5-23. NICKEL, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.000	.000	.007	.009	.012	.017	.018	.021	.026	.033	.038	.016	.011	3.15
CALIFORNIA BURBANK SITE 01	60	26	.013	.016	.018	.019	.024	.030	.033	.043	.050	.070	.079	.034	.030	1.69
LONG BEACH SITE 01	65	25	.000	.006	.012	.016	.017	.020	.023	.025	.031	.042	.068	.023	.017	2.75
LOS ANGELES SITE 01	60	25	.012	.015	.016	.022	.023	.029	.037	.048	.058	.091	.100	.040	.033	1.91
PASADENA SITE 01	60	25	.009	.015	.018	.020	.020	.021	.024	.042	.043	.058	.210	.038	.028	1.97
SAN JOSE SITE 01	63	26	.000	.000	.005	.007	.008	.008	.012	.014	.022	.030	.051	.013	.008	3.26
KANSAS KANSAS CITY SITE 01	62	24	.000	.000	.005	.007	.007	.007	.008	.010	.017	.017	.021	.009	.006	2.59
MINNESOTA ST. PAUL SITE 01	58	23	.006	.007	.008	.008	.010	.011	.011	.013	.016	.020	.026	.012	.011	1.48
MISSOURI KANSAS CITY SITE 01	63	24	.000	.000	.000	.005	.007	.007	.008	.009	.012	.021	.028	.008	.005	3.12
NEW JERSEY ELIZABETH SITE 01	62	25	.011	.018	.021	.024	.024	.032	.038	.045	.049	.073	.220	.047	.035	1.99
GLASSBORO SITE 01	65	24	.000	.000	.005	.009	.010	.012	.014	.015	.025	.030	.051	.015	.010	2.90
JERSEY CITY SITE 01	63	25	.011	.022	.027	.030	.035	.045	.050	.063	.064	.110	.150	.054	.045	1.86
NEW YORK GLEN COVE SITE 01	60	21	.005	.008	.011	.012	.013	.015	.016	.021	.046	.071	.100	.028	.019	2.40
MASSENA SITE 01	60	24	.000	.000	.000	.000	.006	.007	.008	.008	.012	.016	.051	.009	.005	3.53
NEW ROCHELLE SITE 01	60	25	.011	.014	.017	.021	.035	.037	.048	.063	.076	.110	.420	.064	.040	2.48
NEW YORK TROY SITE 01	60	21	.006	.010	.011	.012	.014	.017	.017	.019	.024	.040	.052	.020	.017	1.74
NORTH CAROLINA ASHEVILLE SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.006	.010	.001	.001	2.01
OREGON MEDFORD SITE 01	61	22	.012	.014	.020	.022	.024	.026	.033	.039	.040	.052	.070	.031	.028	1.60
TEXAS FT WORTH SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.006	.008	.012	.029	.004	.002	3.13
HOUSTON SITE 01	63	22	.000	.000	.000	.000	.000	.005	.007	.010	.014	.024	.039	.008	.004	3.93
	65	25	.000	.000	.000	.000	.000	.005	.005	.007	.010	.022	.060	.009	.004	4.00
	63 65	47	.000	.000	.000	.000	.000	.005	.006	.008	.014	.024	.060	.009	.004	3.97
UTAH SALT LAKE CITY SITE 01	63	25	.000	.000	.000	.000	.000	.006	.008	.010	.012	.020	.028	.007	.004	3.64

*Data contributed by state or local agency.

Table 5-24. NICKEL, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev'
			Min	Frequency distribution - percentile								Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.002	.003	.003	.001	.001	1.49
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	.000	.000	.000	.000	.000	.000	.002	.002	.003	.004	.007	.001	.002	1.84
CALIFORNIA HUMBOLT COUNTY SITE 01	63	22	.000	.000	.000	.000	.000	.002	.003	.003	.004	.008	.010	.003	.002	2.21
COLORADO MESA VERDE NAT PK SITE 01	63	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
FLORIDA MONROE COUNTY SITE 01	63	24	.003	.004	.005	.009	.011	.011	.014	.017	.024	.026	.034	.014	.011	2.05
HAWAII KAHALUU SITE 02	63	26	.000	.000	.000	.000	.002	.003	.004	.006	.007	.010	.038	.005	.003	2.90
INDIANA PARKE COUNTY SITE 01	64	26	.003	.006	.006	.006	.006	.007	.007	.008	.008	.009	.014	.007	.007	1.57
PUERTO RICO LUQUILLO MTS SITE 01	59	24	.011	.012	.012	.013	.014	.015	.017	.020	.023	.170	.760	.062	.023	2.94

*Data contributed by state or local agency.

Table 5-25. TIN, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
CALIFORNIA BURBANK SITE 01	60	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.01	1.15
LONG BEACH SITE 01	65	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
LOS ANGELES SITE 01	60	25	.02	.02	.03	.03	.04	.04	.06	.06	.07	.07	.08	.05	.04	1.60
PASADENA SITE 01	60	25	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.00	.01	1.15
SAN JOSE SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
KANSAS KANSAS CITY SITE 01	62	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	1.00
MINNESOTA ST PAUL SITE 01	58	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.01	1.16
MISSOURI KANSAS CITY SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
NEW JERSEY ELIZABETH SITE 01	62	25	.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.03	.01	.01	1.41
GLASSBORO SITE 01	65	24	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.03	.01	.01	1.33
JERSEY CITY SITE 01	63	25	.00	.00	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01	1.40
NEW YORK MASSENA SITE 01	60	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	1.00
NEW ROCHELLE SITE 01	60	25	.00	.00	.00	.01	.01	.01	.01	.03	.03	.07	.10	.02	.02	2.18
NORTH CAROLINA ASHEVILLE SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
OREGON MEDFORD SITE 01	61	22	.00	.00	.00	.00	.00	.00	.02	.02	.03	.04	.09	.02	.02	1.91
TEXAS FT WORTH SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.00	.01	1.15
HOUSTON SITE 01	63	22	.00	.00	.00	.00	.00	.00	.01	.01	.02	.02	.03	.01	.01	1.43
	65	25	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.00	.01	1.15
	63-65	47	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.03	.01	.01	1.31
UTAH SALT LAKE CITY SITE 01	58	24	.00	.00	.02	.02	.03	.03	.04	.04	.05	.06	.08	.03	.03	1.76
	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.01	1.15
	64	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
	58-64	74	.00	.00	.00	.00	.00	.00	.00	.01	.03	.04	.08	.01	.00	1.40

*Data contributed by state or local agency.

Table 5-26. TIN, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collected	Above detect. quan.	
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	0	
ARKANSAS MONTGOMERY COUNTY SITE 01	63	26	0	
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	0	
COLORADO MESA VERDE NAT PK SITE 01	63	25	0	
FLORIDA MONROE COUNTY SITE 01	63	24	0	
HAWAII KAHALUU SITE 02	63	26	0	
INDIANA PARKE COUNTY SITE 01	64	26	1	0.01
PUERTO RICO LOQUILLO MOUNTAINS SITE 01	59	26	0	

Table 5-27. TITANIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev'
			Min	Frequency distribution - percentile								Max	Arith mean	Geo mean		
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.00	.00	.01	.02	.03	.04	.06	.09	.14	.23	.31	.08	.04	3.28
CALIFORNIA BURBANK SITE 01	60	26	.00	.03	.05	.06	.08	.08	.10	.14	.17	.20	.38	.11	.08	2.28
LONG BEACH SITE 01	65	25	.00	.01	.01	.03	.03	.04	.04	.04	.05	.08	.10	.04	.03	2.08
LOS ANGELES SITE 01	60	25	.01	.05	.06	.07	.08	.10	.10	.14	.22	.24	.48	.13	.10	2.19
PASADENA SITE 01	60	25	.00	.00	.01	.03	.04	.06	.06	.08	.12	.18	.44	.08	.05	3.01
SAN JOSE SITE 01	63	24	.00	.00	.01	.01	.02	.02	.03	.04	.05	.08	.12	.03	.02	2.32
KANSAS KANSAS CITY SITE 01	62	24	.00	.00	.01	.02	.02	.02	.02	.02	.04	.07	.11	.03	.02	1.99
MINNESOTA ST PAUL SITE 01	59	23	.00	.00	.00	.01	.01	.01	.01	.02	.02	.05	.06	.02	.02	1.83
MISSOURI KANSAS CITY SITE 01	63	24	.00	.00	.01	.01	.01	.01	.02	.03	.03	.04	.05	.02	.02	1.81
NEW JERSEY ELIZABETH SITE 01	62	25	.00	.00	.00	.00	.00	.01	.01	.01	.02	.03	.04	.01	.01	1.54
GLASSBORO SITE 01	65	24	.00	.00	.00	.01	.01	.01	.01	.02	.02	.02	.05	.01	.01	1.65
JERSEY CITY SITE 01	63	25	.00	.00	.00	.00	.01	.01	.01	.02	.02	.03	.03	.01	.01	1.53
NEW YORK MASSENA SITE 01	60	24	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.05	.00	.01	1.39
NEW ROCHELLE SITE 01	60	25	.00	.00	.00	.01	.01	.02	.02	.03	.04	.06	.19	.03	.02	2.24
NORTH CAROLINA ASHEVILLE SITE 01	62	25	.00	.00	.00	.01	.01	.01	.01	.02	.02	.03	.04	.01	.01	1.63
OREGON MEDFORD SITE 01	61	22	.02	.04	.08	.11	.12	.15	.22	.25	.27	.32	.45	.18	.14	2.34
TEXAS FT WORTH SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.00	.01	1.33
HOUSTON SITE 01	63	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.01	1.28
	65	25	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.05	.01	.01	1.47
	63 65	47	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.05	.01	.01	1.38
UTAH SALT LAKE CITY SITE 01	58	24	.01	.02	.02	.02	.02	.03	.04	.05	.08	.13	.16	.05	.04	2.15
	63	26	.00	.00	.00	.00	.00	.00	.01	.01	.02	.04	.06	.01	.01	1.76
	64	24	.00	.00	.01	.01	.01	.01	.02	.02	.03	.03	.04	.02	.01	1.67
	58 64	74	.00	.00	.00	.01	.01	.02	.02	.02	.04	.06	.16	.03	.02	1.87

*Data contributed by state or local agency.

Table 5-28. TITANIUM, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.00	.01	1.15
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
COLORADO MESA VERDE NAT PK SITE 01	63	25	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.00	.01	1.15
FLORIDA MONROE COUNTY SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
HAWAII KAHALUU SITE 02	63	26	.00	.00	.00	.01	.01	.01	.01	.01	.02	.03	.04	.01	.01	1.58
INDIANA PARKE COUNTY SITE 01	64	26	.00	.01	.02	.02	.02	.02	.02	.03	.03	.04	.04	.02	.02	1.51
PUERTO RICO LOQUILLO MTS SITE 01	69	26	.01	.01	.01	.01	.01	.02	.02	.02	.03	.04	.09	.02	.02	1.88

*Data contributed by state or local agency.

Table 5-29. VANADIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.000	.000	.000	.002	.003	.006	.007	.009	.010	.011	.023	.006	.004	2.79
CALIFORNIA BURBANK SITE 01	60	26	.000	.000	.012	.014	.019	.019	.027	.042	.046	.053	.077	.027	.017	3.40
LONG BEACH SITE 01	65	25	.000	.006	.007	.007	.008	.011	.014	.015	.018	.031	.038	.014	.011	2.21
LOS ANGELES SITE 01	60	25	.000	.004	.005	.006	.006	.014	.019	.034	.038	.051	.130	.024	.013	3.26
PASADENA SITE 01	60	25	.000	.005	.011	.012	.013	.015	.020	.025	.035	.058	.200	.030	.017	3.26
SAN JOSE SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.007	.018	.025	.004	.002	3.23
KANSAS KANSAS CITY SITE 01	62	24	.000	.000	.000	.000	.002	.003	.004	.005	.005	.007	.014	.003	.003	2.37
MINNESOTA ST. PAUL SITE 01	58	25	.000	.000	.000	.000	.007	.008	.008	.013	.017	.029	.046	.010	.006	3.63
MISSOURI KANSAS CITY SITE 01	63	24	.000	.000	.000	.000	.000	.003	.006	.009	.011	.014	.040	.006	.003	3.48
NEW JERSEY ELIZABETH SITE 01	62	25	.032	.047	.062	.083	.095	.110	.120	.140	.160	.290	.910	.160	.115	2.12
GLASSBORO SITE 01	65	24	.000	.003	.007	.011	.013	.018	.028	.030	.046	.068	.150	.030	.017	3.45
JERSEY CITY SITE 01	63	25	.071	.100	.120	.140	.180	.200	.220	.280	.330	.490	.860	.257	.210	1.87
NEW YORK GLEN COVE SITE 01	60	21	.000	.012	.016	.023	.034	.050	.063	.082	.270	.400	.770	.133	.045	5.71
MASSENA SITE 01	60	24	.000	.000	.000	.004	.005	.006	.007	.009	.021	.043	.150	.016	.006	4.15
NEW ROCHELLE SITE 01	60	25	.064	.082	.092	.150	.210	.240	.280	.360	.420	.710	1.300	.315	.236	2.18
TROY SITE 01	60	21	.000	.018	.022	.028	.046	.049	.060	.077	.100	.150	.310	.070	.043	3.41
*NORTH CAROLINA ASHEVILLE SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.022	.002	.001	2.28
OREGON MEDFORD SITE 01	61	22	.000	.000	.003	.006	.007	.016	.019	.023	.024	.028	.097	.019	.010	3.34
TEXAS FT WORTH SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.007	.000	.001	1.48
HOUSTON SITE 01	63 65 63 65	22 25 47	.000 .000 .000	.000 .000 .000	.000 .000 .000	.000 .000 .000	.000 .000 .000	.000 .000 .000	.000 .000 .000	.000 .003 .000	.000 .003 .003	.000 .004 .004	.009 .009 .009	.001 .001 .001	.001 .002 .001	1.72 1.87 1.80
UTAH SALT LAKE CITY SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.007	.000	.001	1.54

*Data contributed by state or local agency.

Table 5-30. VANADIUM, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., µg/m³
		Collected	Above detect. quan.	
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	1	.001
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	0	
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	1	.001
COLORADO MESA VERDE NAT PK SITE 01	63	25	0	
FLORIDA MONROE COUNTY SITE 01	63	24	7	.003
HAWAII KAHALUU SITE 02	63	26	5	.011
INDIANA PARKE COUNTY SITE 01	64	26	23	.007
PUERTO RICO LOQUILLO MOUNTAINS SITE 01	59	26	5	.006

Table 5-31. ZINC, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, $\mu g/m^3$													Std geo dev
			Min	Frequency distribution - percentile								Max	Arith mean	Geo mean		
				10	20	30	40	50	60	70	80	90				
ALASKA ANCHORAGE SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
CALIFORNIA BURBANK SITE 01	69	26	.00	.00	.00	.00	.00	.00	.00	.00	.13	.50	.66	.10	.03	4.94
LONG BEACH SITE 01	65	25	.00	.00	.00	.00	.00	.00	.00	.23	.25	.48	1.20	.15	.04	5.94
LOS ANGELES SITE 01	60	25	.00	.00	.00	.46	.49	.56	.79	1.00	1.20	1.40	1.70	.70	.33	6.26
PASADENA SITE 01	60	25	.00	.00	.00	.00	.00	.00	.19	.25	.31	.46	.94	.17	.05	5.95
SAN JOSE SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.10	.40	1.10	.12	.02	4.88
KANSAS KANSAS CITY SITE 01	62	24	.00	.00	.00	.00	.00	.00	.29	.33	.57	.67	2.30	.28	.05	7.67
MINNESOTA ST PAUL SITE 01	68	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.32	.03	.01	2.73
MISSOURI KANSAS CITY SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.22	.27	.36	.06	.02	3.97
NEW JERSEY ELIZABETH SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.41	.66	1.00	2.80	.36	.05	8.61
GLASSBORO SITE 01	65	24	.00	.00	.00	.00	.15	.15	.29	.41	.53	.55	.76	.25	.09	6.08
JERSEY CITY SITE 01	63	25	.00	.00	.00	.00	.00	.00	.00	.18	.48	.79	1.00	.22	.04	7.19
NEW YORK MASSENA SITE 01	60	24	.00	.00	.00	.00	.00	.00	.00	.00	.08	.14	.17	.03	.02	2.81
NEW ROCHELLE SITE 01	60	25	.00	.00	.00	.00	.00	.19	.33	.44	.51	1.00	2.70	.41	.09	8.15
TROY SITE 01	60	21	.00	.00	.00	.00	.00	.00	.00	.10	.17	.22	.66	.09	.03	4.57
NORTH CAROLINA ASHEVILLE SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.54	.07	.01	2.22
OREGON MEDFORD SITE 01	61	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.86	.06	.01	3.46
TEXAS FT WORTH SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.01	.01	1.70
HOUSTON SITE 01	63	22	.00	.00	.00	.00	.00	.00	.00	.00	.09	.59	1.10	.12	.02	5.12
	65	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.00	.06	.02	3.51
	63 65	47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38	1.10	.09	.02	4.29
UTAH SALT LAKE CITY SITE 01	58	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.90	.04	.01	2.51
	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.01	.01	1.70
	66	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.36	.04	.02	3.16
	58 66	74	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.90	.03	.01	2.47

*Data contributed by state or local agency.

Table 5-32. ZINC, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.07	.10	.16	.23	.04	.02	3.39
CALIFORNIA HUMBULDT COUNTY SITE 01	63	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.47	.03	.01	2.84
COLORADO MESA VERDE NAT PK SITE 01	63	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.01	1.43
FLORIDA MONROE COUNTY SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
HAWAII KAHALUU SITE 02	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
INDIANA PARKE COUNTY SITE 01	64	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.01	.01	1.83
PUERTO RICO LOQUILLO MTS SITE 01	59	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60	.77	.05	.02	3.94

*Data contributed by state or local agency.

SECTION 6.

GASEOUS POLLUTANTS AND SOILING INDEX

BLANK PAGE

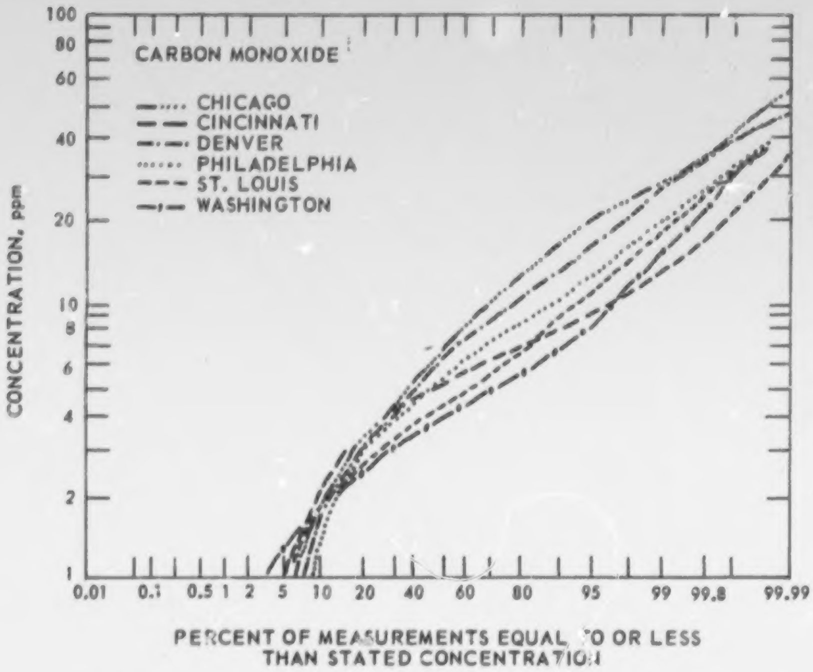

Figure 6-1. Annual frequency distributions of carbon monoxide, CAMP, 1967.

Table 6-1 CARBON MONOXIDE ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	44	0	2	5	7	11	17	21	25	28	63	8.8
Cincinnati	75	0	3	4	5	7	9	10	12	14	47	5.6
Denver	79	0	2	4	7	9	14	17	22	27	63	7.7
Philadelphia	88	0	2	4	6	8	11	13	16	19	44	6.3
St. Louis	91	0	2	4	5	6	10	12	16	19	60	5.6
Washington, D.C.	87	0	2	3	4	5	8	9	12	15	37	4.8

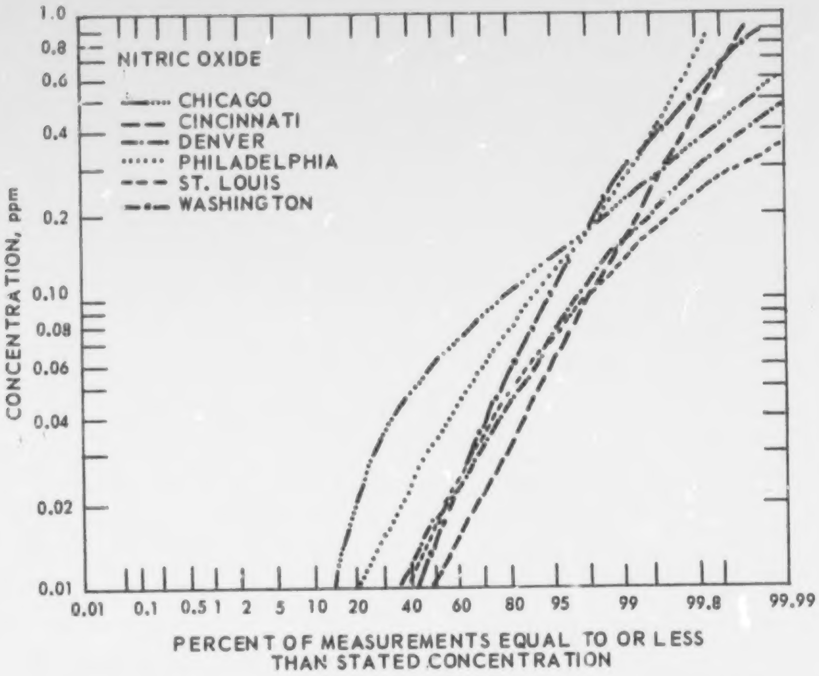

Figure 6-2. Annual frequency distributions of nitric oxide, CAMP, 1967.

Table 6-2. NITRIC OXIDE ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	80	0.00	0.01	0.04	0.07	0.09	0.15	0.19	0.23	0.27	0.69	0.076
Cincinnati	69	0.00	0.00	0.01	0.02	0.03	0.07	0.11	0.18	0.26	1.46	0.032
Denver	55	0.00	0.00	0.01	0.02	0.04	0.09	0.13	0.18	0.22	0.54	0.037
Philadelphia	80	0.00	0.01	0.02	0.04	0.06	0.14	0.19	0.29	0.42	1.74	0.062
St. Louis	84	0.00	0.00	0.01	0.02	0.04	0.08	0.11	0.15	0.19	0.38	0.034
Washington, D.C.	85	0.00	0.00	0.01	0.02	0.04	0.12	0.19	0.30	0.38	0.126	0.046

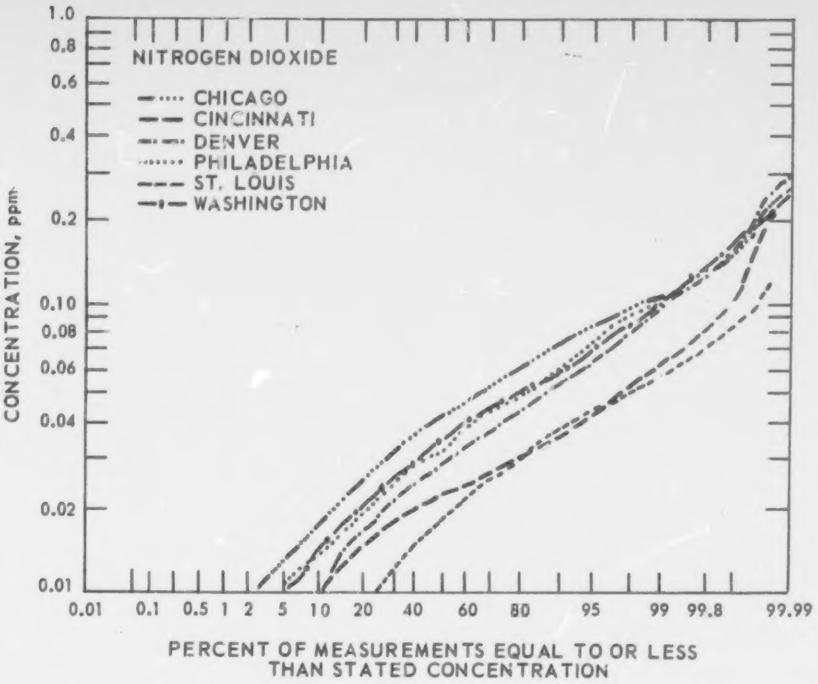

Figure 6-3. Annual frequency distributions of nitrogen dioxide, CAMP, 1967.

Table 6-3. NITROGEN DIOXIDE ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	75	0.00	0.02	0.04	0.05	0.06	0.08	0.09	0.11	0.12	0.29	0.049
Cincinnati	77	0.00	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.70	0.028
Denver	54	0.00	0.02	0.03	0.03	0.04	0.06	0.07	0.09	0.11	0.37	0.037
Philadelphia	85	0.00	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.12	0.44	0.042
St. Louis	89	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.17	0.024
Washington, D.C.	81	0.00	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.11	0.24	0.042

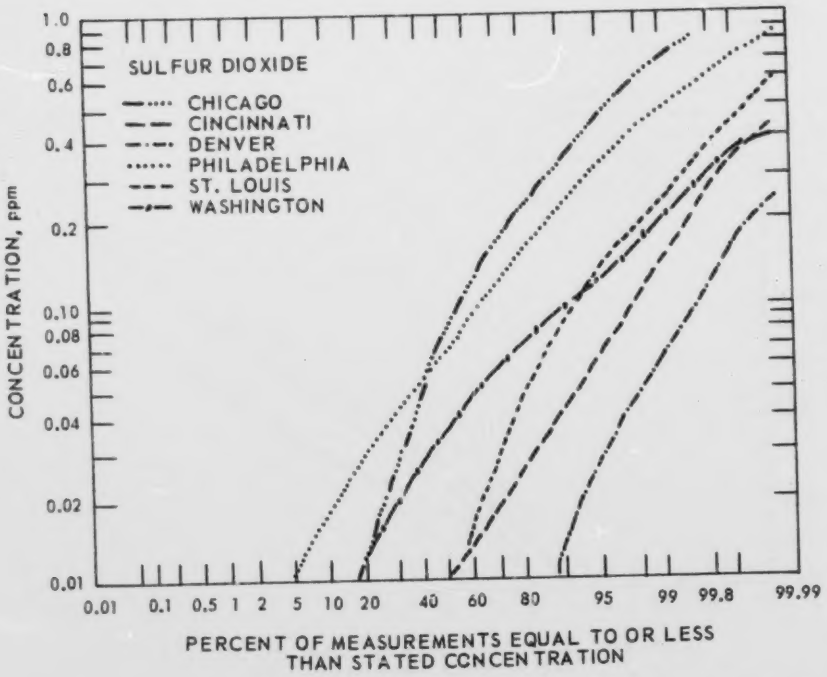

Figure 6-4. Annual frequency distributions of sulfur dioxide, CAMP, 1967.

Table 6-4. SULFUR DIOXIDE ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	93	0.00	0.01	0.03	0.07	0.15	0.32	0.43	0.57	0.68	1.62	0.125
Cincinnati	61	0.00	0.00	0.01	0.01	0.02	0.04	0.06	0.10	0.13	0.65	0.021
Denver	82	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.04	0.06	0.33	0.005
Philadelphia	81	0.00	0.02	0.04	0.07	0.11	0.22	0.30	0.39	0.46	1.12	0.098
St. Louis	91	0.00	0.00	0.00	0.01	0.03	0.08	0.12	0.17	0.21	0.90	0.029
Washington, D.C.	44	0.00	0.01	0.02	0.04	0.06	0.10	0.12	0.15	0.18	0.53	0.048

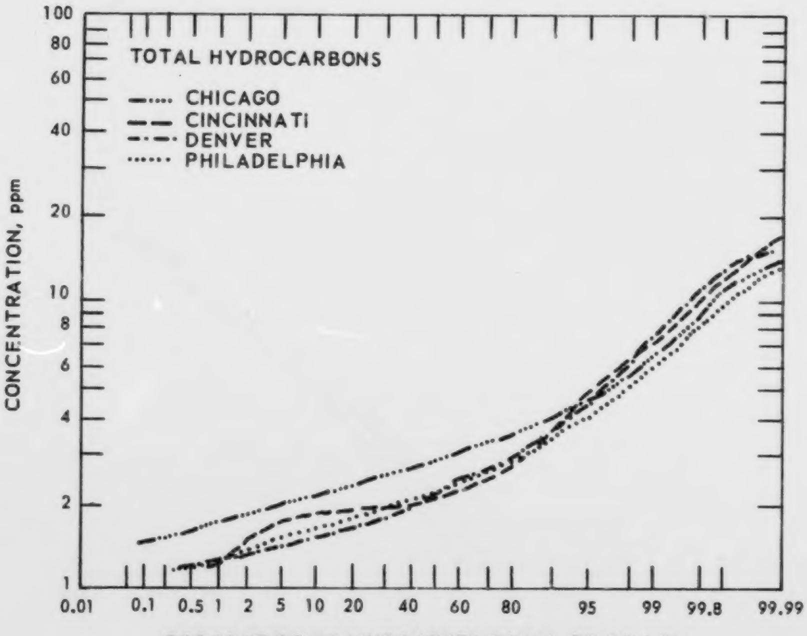

Figure 6-5. Annual frequency distributions of total hydrocarbons, CAMP, 1967.

Table 6-5. TOTAL HYDROCARBONS ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	92	0.0	2.1	2.4	2.8	3.3	4.3	4.9	5.8	6.6	18.1	3.04
Cincinnati	73	0.0	1.7	1.9	2.2	2.5	3.7	4.8	6.3	7.3	18.7	2.51
Denver	86	0.0	1.5	1.8	2.1	2.5	3.7	4.7	6.2	7.4	18.5	2.44
Philadelphia	86	0.0	1.6	1.9	2.2	2.5	3.5	4.2	5.3	6.3	14.6	2.42

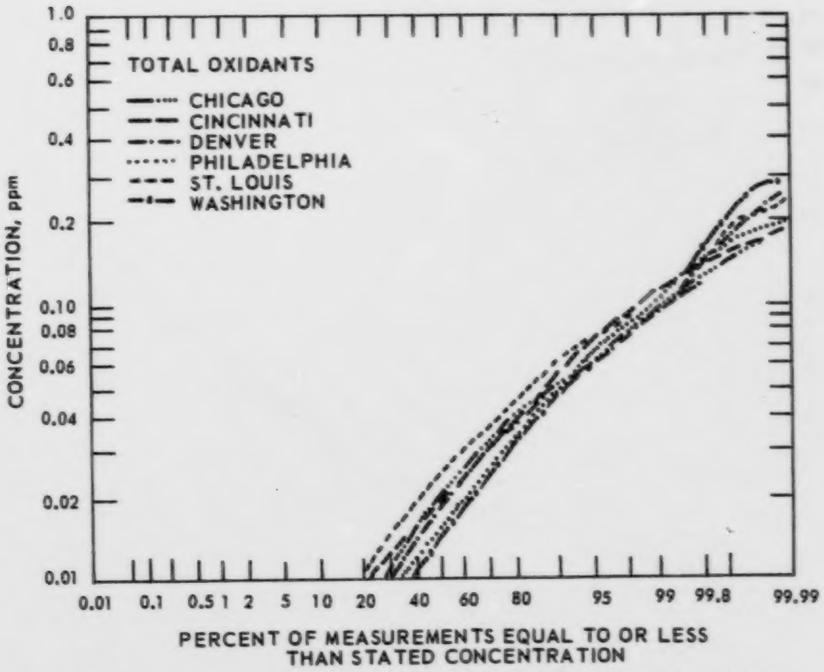

Figure 6-6. Annual frequency distributions of total oxidants, CAMP, 1967.

Table 6-6. TOTAL OXIDANTS ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	60	0.00	0.00	0.02	0.03	0.04	0.06	0.07	0.08	0.10	0.18	0.028
Cincinnati	57	0.00	0.01	0.02	0.02	0.04	0.06	0.08	0.10	0.11	0.25	0.031
Denver	39	0.00	0.01	0.02	0.02	0.03	0.05	0.06	0.08	0.10	0.25	0.027
Philadelphia	67	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.19	0.026
St. Louis	69	0.00	0.01	0.02	0.03	0.04	0.07	0.08	0.10	0.11	0.27	0.034
Washington, D.C.	78	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.23	0.025

Table 6-7. CARBON MONOXIDE, DAILY AVERAGES, 1967
(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						18.8	7.7		13.3	5.9		5.0
2						16.6	2.9	9.9	9.4	9.1		7.8
3							4.9	8.5	0.1	18.2		4.2
4							4.4	12.8		15.0		5.5
5								11.9		18.0		7.0
6						10.6		6.6	5.3	12.6		8.1
7							13.9	8.6	11.1	9.6		4.0
8								7.6	17.2	4.1		8.0
9					7.9	21.8		9.7	14.9	4.1	9.4	9.7
10					9.3	17.9	8.5	10.6		7.7	8.7	7.3
11					9.6	8.1	14.5	11.3		8.2	5.0	7.9
12					7.0	7.3	10.3	11.9			5.0	4.5
13					6.7		8.3	9.7		5.5	5.5	4.5
14					3.9		7.0	8.5	8.2	5.5	6.2	6.0
15					9.0		3.5	8.3	6.2	3.0	8.1	5.5
16					14.2		5.1	5.7			5.4	6.6
17					9.3		9.0	6.6			6.0	4.5
18					5.4		13.8	18.7			6.2	4.5
19					16.8		12.3	22.4	13.5		7.1	7.0
20					22.9	7.7	9.1	14.8	9.3		6.5	7.3
21						16.4	17.9	13.4	12.7		7.5	5.8
22						11.6		16.3	9.8		6.7	5.2
23					7.1			9.9				4.0
24					9.4			6.4		11.2	7.6	3.1
25					10.4	11.1		11.6	5.6	14.8	5.4	2.6
26					8.0	12.0		4.9	4.5	11.0	3.7	5.9
27						9.4		6.9	9.9	5.7	3.9	7.9
28						8.7		15.7	9.7	4.6	5.4	8.0
29					5.8	8.8		19.8	7.7	1.6	6.7	5.6
30					8.2	7.6		15.8	6.3		9.3	4.1
31					14.6			6.4				4.6
Monthly mean					9.6	12.5	8.9	11.1	9.4	8.7	6.4	5.9

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.2			6.2	8.1		3.7	5.3	5.1	4.8	4.9	5.4
2	5.4			6.0			6.0	4.6	6.0	5.4	5.3	5.6
3	6.7		3.1	6.2		2.7	4.1	5.4	6.9	6.3	6.9	4.8
4	4.4		4.9	7.0	6.6	1.0	3.0	5.5	3.3	5.9	3.0	6.4
5			5.2	13.0	7.2	2.6	3.6	8.1	6.8	6.0	0.5	7.4
6			5.8	6.3	6.2	1.0	0.7	9.8	6.3	5.5		6.6
7	5.1		3.9	6.5	5.8	0.9	2.7		6.8	5.4		4.8
8	4.6		3.9	7.3	7.3	0.9	3.5		5.5	5.1	7.3	7.2
9	4.8		5.7	7.5	8.4		2.8		5.7	5.0	5.9	5.9
10	4.4		7.1	7.7	9.0		3.1		4.4	4.9	5.9	4.8
11	5.2		6.0	7.7	8.2		2.7		5.0	4.8	4.1	5.7
12	4.7		5.9	9.2	8.3		3.2		5.3	7.5	4.8	5.4
13	5.3		8.7	9.2	8.6	3.7	3.4		5.3	6.8	6.8	5.8
14	5.8		8.1	8.5	8.9	3.4	3.7		5.9	6.3	6.1	4.5
15	2.3		5.9	9.3	8.3	2.7	4.5		7.3	5.5	4.7	4.4
16	3.6		4.8	9.3	7.0	2.4	4.5		9.4	5.2	6.3	
17	3.7		5.1	8.0	6.5	3.0	5.0		6.0	5.9	7.1	
18	4.3		5.5	5.6	6.3	1.1			7.5	4.5	4.7	
19	4.9		5.3	5.3	6.7	2.2			5.1	5.9	4.5	9.8
20	4.3		6.5	6.7	7.1	2.8			5.1	6.2	5.2	10.3
21	5.0		5.3	7.2	6.8	2.4		4.3	4.2	7.2	5.9	6.1
22	4.1		5.6	5.5	8.2	3.7	0.6	8.1	4.7	8.7	5.4	5.3
23	4.0		6.0	5.5	6.4	3.4	0.8	8.0	5.4	8.1	4.5	5.5
24	3.4		7.0	6.5	8.6	3.2	2.9	5.3	5.0	5.6	6.6	5.3
25	2.5		9.9	7.2	9.3	1.6	3.8		7.4	5.0	6.9	4.7
26			9.5	8.1	10.6	2.7	4.7	5.7	5.3	5.5	8.6	4.2
27			9.5	8.0		3.1	3.7	4.5	4.8	6.2	6.7	5.0
28			7.8	8.9	8.4	1.4	4.3	5.2	4.6	6.3	5.4	5.3
29			6.5	9.3	8.2	1.7	4.7	5.8	4.6	6.1	6.3	6.1
30			5.9	8.2	7.1	4.1	3.8	5.2	4.4		5.6	6.1
31			5.7				3.9	4.5				5.0
Monthly mean	4.5		6.2	7.5	7.7	2.4	3.5	6.0	5.6	5.9	5.5	5.8

Table 6-7 (continued). CARBON MONOXIDE, DAILY AVERAGES, 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.7	10.4	7.8	3.9	3.4	6.4	7.4		6.8	3.3	8.7	7.3
2	4.4	12.9	9.0	2.6	2.2	7.4	4.6			5.9	4.4	10.0
3	6.1	10.9	5.2	6.2	2.9	5.5	7.7			8.6	6.1	8.8
4	10.1	9.5	1.3	9.2	4.0	5.1	6.9			4.5	5.6	12.2
5	9.9	4.6	0.7	5.5	4.6	7.6	10.0		5.6	5.5	5.6	11.4
6	4.6	7.1	5.2	4.6	4.1	9.9	10.9		7.4	3.8	11.2	7.2
7	6.0	5.8	3.0	7.2	3.8	8.1	11.5	12.8	7.3	2.9	11.7	13.2
8	6.7	9.4	8.5	7.1		8.8	8.7	8.9		2.9	9.4	10.6
9	12.3	7.4	12.5	4.7		8.5	7.4	7.6		5.1	8.7	5.0
10	10.1	8.2	14.5	6.6		7.3	10.2		5.5	6.0	7.5	4.5
11	14.0	6.8	10.4	7.0		6.4	8.4	9.5	4.7	7.6	7.0	5.0
12	11.6	5.6	9.9	6.7		9.6	8.6		3.8	7.7	13.4	3.2
13	10.4	7.4	9.2	3.0		8.8			3.7	5.8	12.6	5.6
14	5.7	7.0	8.5	6.2		9.2	10.6	10.9	5.0	4.0	11.5	6.2
15	7.9	6.7	7.6	5.7	8.3	8.5	7.4	10.2	6.3	2.8	11.0	9.5
16	6.6	8.6	9.3	3.1	7.9	8.9	6.3	11.8		9.5	7.9	4.8
17	7.1	10.7	7.6	7.2	9.4	8.4	6.6	10.9		11.0	12.6	
18	8.9	9.5	8.4	5.4	9.7	6.3	6.1	13.6	7.9	9.3	10.7	10.8
19	15.3	2.2	7.1	5.2	8.7	7.4	9.0		5.3	7.1	9.3	12.7
20	17.1	4.8	7.3	4.6	6.7	7.9	15.5		7.9	11.5	6.5	9.7
21	20.3	8.4	7.9	4.3	5.6	6.4			6.0	6.9	6.2	10.1
22	10.6	7.0	8.5	2.6	7.9	9.1			8.8	6.0	10.0	
23	12.3	6.2	9.6	1.2	8.8	8.3				5.5	4.6	
24	10.9	8.7	9.2	4.3	8.8	7.5			9.6	5.0	7.1	
25	10.2	10.5	4.5	3.2	7.6	7.0			10.3	9.7	4.1	
26	14.2	5.7	4.9	4.8	6.3	8.1			7.1	3.5	3.6	
27	15.4	6.1	5.9	5.8	5.0	7.9			7.3	9.2	[illegible]	
28	13.4	4.8	8.5	5.9	4.4	7.4		5.1	6.5	4.8	14.5	
29	11.2		5.8	5.1	5.4	7.6		5.5	8.8	2.0	12.1	14.1
30	13.0		4.2	1.2	1.9	8.1		3.8	5.4	4.5	16.0	
31	12.7		5.8		5.0			5.3		6.9		
Monthly mean	10.5	7.6	7.3	5.0	5.9	7.8	8.6		6.6	6.0	9.6	8.6

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.9	2.9	2.8	5.9		[illegible]	2.3	7.3	4.2	9.5	8.6	4.1
2	6.0	4.4	5.1	4.5		6.7	2.5	11.1	3.1	12.2	7.9	6.0
3	11.1	4.3	4.0	4.4		6.4	3.5	8.8	4.8	10.7	6.3	3.9
4	8.3	5.0	7.3	4.0		5.3	6.1	6.7	6.4	9.5	4.1	5.0
5	4.3	3.4	6.8	5.2		3.8	7.0	6.4	8.7	7.1	7.7	6.5
6	4.8	0.4	7.9	6.0		4.0	5.4	4.5	11.0	4.1	9.4	6.3
7	3.4	0.6		5.4		5.2	1.8	6.5	10.5	5.5	8.9	7.1
8	1.3	5.2	6.7	7.0		4.5	4.3	6.2	8.6	5.6		10.6
9	1.6	3.6	10.0	8.6		3.9	3.7	7.8	8.3	6.2	11.9	15.3
10	1.6	2.4	7.9	8.2		4.4	6.1	8.1	7.0	7.6	13.2	4.2
11	1.3	1.2	6.1	8.5		3.7	6.0	7.1	8.7	10.3	10.2	5.9
12	3.9	2.9	6.7			4.1	6.9	6.5	12.0	11.8	4.9	8.3
13	4.0	6.1	8.0			4.8	7.5	7.9	13.2	10.1	3.3	
14	2.2	7.5	6.0			4.7	9.3	10.0	10.8	6.3	4.3	6.9
15	1.1	6.4	5.9	14.0		6.9	9.1	10.1	8.9	8.6	2.9	6.5
16	1.2	4.6	6.7	9.5	9.2	6.4	9.8	10.8	6.5	8.0	3.3	3.7
17	3.0	[illegible]	[illegible]	10.1	10.2	3.6	8.5	9.4	7.1	10.1	4.5	3.2
18	2.6	0.6	[illegible]	8.3	8.0	3.9	7.7	8.3	11.4	6.7	5.2	4.5
19	5.3	0.9	8.2	6.6	5.5	7.3	7.8	7.2	12.9	9.4	3.2	6.0
20		[illegible]	7.7	4.8	3.8	8.9	5.8	7.3	10.7		2.5	11.2
21		1.8	7.3	4.5	5.5	8.3	6.4	6.5	8.4	6.7	3.6	11.4
22		1.5	5.7	4.4	6.1	5.5	3.5	8.4	7.5	7.1	9.0	8.7
23	5.9	4.9	8.3	9.0	6.9	5.4	4.4	13.8	9.2	8.9	6.9	5.3
24	8.0	4.3	7.9	[illegible]	9.0	4.9	4.8	9.5	8.6	8.4	5.6	4.6
25	6.7	3.6	5.8	4.6		4.6	5.0	9.4	6.8	7.9	7.6	6.5
26	3.5	2.6	5.2	5.6	9.2	3.7	4.6	8.4	7.5	6.0	11.1	6.4
27	2.8	1.8	7.1	5.8	10.4	5.4	7.2	4.9	7.1	9.3	9.0	6.0
28	0.6	1.7	8.2	8.0	10.9	5.9	7.7	4.9	8.6	7.6	3.5	5.6
29	0.0			8.8	10.1	6.4	4.4	5.2	8.4	10.2	4.9	3.7
30	0.0			7.7		4.4	4.9	5.8	8.3	14.0	4.1	2.2
31	0.0		[illegible]				6.1	4.5		10.6		4.0
Monthly mean	3.4	3.2	6.8	6.6		5.3	5.8	7.7	[illegible]	8.6	6.5	6.3

Table 6-7 (continued). CARBON MONOXIDE, DAILY AVERAGES, 1967

(ppm)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.9	7.1	5.5	3.4	6.4		4.6	5.1	8.2	6.1	9.0	5.1
2	5.2	5.1	6.6	3.0	5.1		3.1	4.3	8.3	11.0	8.9	4.0
3	6.0	8.4	4.8	5.2	7.0		4.6	4.7		9.5	6.8	3.8
4	6.4	6.5	2.8	3.8	5.6		3.2	4.4	4.0	7.9	8.0	6.2
5	6.4	5.0	1.6	4.2	6.1		6.0	5.7	5.8	5.5	5.0	7.1
6	6.2	6.2	2.3	2.4	5.6	3.4	6.2	3.6	5.8	7.8	8.0	6.7
7	4.4	6.7	4.1	3.5	4.6	4.2	6.2	6.2	5.3	7.3	6.9	4.5
8	4.9	8.2	3.1	3.9	5.2	6.0	5.3	7.0	6.3	4.8	7.2	6.8
9	6.0	7.4	4.7	2.1	6.1	5.6	4.4	5.1	4.3	7.6	7.7	4.9
10	3.9	6.1	5.3	3.3	6.8	3.0	6.3	6.2	4.0	6.0	5.7	4.1
11	5.6	4.6	2.5	5.4	4.8	2.2	5.7	6.5	6.6	7.9	4.6	4.8
12	8.1	4.9	1.6	5.7	5.8	3.9	5.3	6.4	3.9	7.8	4.0	6.2
13	8.7	7.9	3.5	3.5	4.7	4.3	4.3	5.9	7.7	9.6	4.4	4.9
14	4.0	7.7	2.9	4.0	4.0	5.7	5.0	7.3	7.7	9.5	4.4	5.6
15	3.5	5.5	1.4	3.0	5.1	5.2	6.1	8.4	8.3	6.8	4.9	5.9
16	5.4	6.0	3.7	3.2	5.8	5.3	5.6	8.8		8.1	6.2	5.8
17	4.2	7.3	3.5	3.8	5.4	3.2	6.3	8.3	5.3	7.4	4.2	4.8
18	8.0	6.2	3.8	4.4	6.5	3.7	6.5		8.0	5.9	2.9	8.0
19	9.2	4.1	3.0	5.0	5.0	6.1	7.6		6.9	7.8	4.3	7.4
20	7.5	6.0	5.0	5.8	4.7	5.1	5.9		5.1	7.6	6.6	7.3
21	5.4	7.7	3.5	6.7	5.6	5.6	8.4		5.1	8.3	6.7	5.8
22	3.9	3.4	5.3	3.8	8.3	4.9	4.5		6.0	7.2	5.2	3.7
23	8.0	3.8	5.3	3.8	8.1	8.5	3.7		6.9	9.9	4.1	3.9
24	5.2	3.6	6.3	5.1	7.3	4.2	6.0		5.7	7.4	6.9	4.4
25	4.6	5.3	4.3	5.6	8.2	2.7	6.0		8.4		5.1	3.1
26	5.0	4.0	2.4	4.9	7.0	7.0	6.2		7.5	10.7	3.2	5.2
27	5.1	5.8	4.9	6.1	2.3	6.0	5.3		5.3	6.5	3.7	5.8
28	6.5	5.0	5.7	7.3	0.9	6.1	5.6		5.9	6.6	6.1	5.4
29	6.3		5.9	4.8		9.1	4.1	7.5	7.6	5.5	6.6	8.0
30	7.4		5.8	4.3		7.6	2.9	5.0	6.8	10.6	4.7	5.1
31	7.7		4.4				4.6	6.8		8.2		3.9
Monthly mean	6.0	5.9	4.0	4.4	5.6	5.1	5.3	6.1	6.3	7.7	5.7	5.4

WASHINGTON

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.8	9.6	3.4	4.5	6.0	5.7	5.3	3.8	8.4	5.2	4.8	
2	2.0	4.2	3.9	5.1	4.9	5.5	5.2	4.3	8.8	7.5		
3	3.9	2.8	4.0	3.2	3.6	5.3	4.5	3.6	9.5	8.0		
4	3.4	3.1	4.8	2.8	3.2	4.6	2.8	4.1	8.7	10.0		
5	3.4	2.7	3.9	3.8	3.4	4.1	5.3	5.1	8.9	9.9		
6	4.1	1.9	4.1	4.4	2.4	3.9	6.9	5.3	6.9	6.8	5.3	
7	4.6	1.7	3.2	3.6	2.6	3.8	5.2	6.9	6.0	4.6	5.2	
8	3.8	4.0	3.8	2.6	3.7	3.4	5.4	5.7	5.7	4.0	5.4	
9	4.1	6.8	4.9	2.3	3.0	4.2	5.2	5.7	4.8	4.8	9.6	
10		3.8	4.6	2.8	3.8	3.6	5.1	5.4	3.3	6.5	12.0	
11	3.6	3.2	3.8	2.3	3.8	3.0	6.1	6.4	4.4	6.6	5.2	3.9
12	5.4	2.4	2.2	2.1	2.8	3.4	5.7	6.7	5.7	8.1	3.6	6.1
13	7.0	3.4		2.0	3.4	3.6	4.9	6.6	8.0	7.8	4.3	11.3
14	4.7	4.1	4.4	2.8	3.6	3.0	5.8	6.0	9.3	5.6	5.2	8.1
15	4.3	4.2	2.8	2.1	3.8	4.0	3.9	8.5	6.1	3.9	4.7	4.3
16	4.4	2.1	3.2	4.6	3.3	5.5	3.8	8.2	3.6		5.2	3.9
17	5.3	2.8	2.8		5.4	4.4	6.3	8.5	3.6		6.0	5.3
18	4.5	3.1	2.7		4.9	4.9	5.3	6.1	4.9		5.4	5.7
19	5.1	2.9	2.4		5.8	4.6	4.9	6.1	4.5		4.8	7.9
20	5.7	4.3	2.2		4.1	4.4	5.8	6.8	4.2	8.1	4.8	8.7
21	2.7	3.4	2.5		4.8	6.4	7.5	7.3	1.7	8.8	5.1	5.9
22	1.3	2.8	2.8		5.2	5.7	7.2	5.5			7.5	4.1
23		3.6	3.5		3.9	6.0	5.7	5.3	5.9		5.0	3.3
24		3.5	3.0	3.9	4.0	4.9	6.1	4.5	4.4	6.8	6.7	3.4
25		3.3	2.3	3.8	3.9	3.9	6.2	7.5	5.6		8.0	4.0
26	7.3	3.2	2.2	5.9	4.2	4.7	5.1	6.0	6.0		14.6	4.0
27	3.6	4.4	2.5	3.1	5.1	6.1	6.2	4.3	5.7		11.3	4.1
28	1.8	2.9	3.3	3.8	5.6	5.3	5.8	4.9	5.5		6.8	4.2
29	2.7		3.7	5.9	5.6	3.4	5.1	5.7	4.6		8.2	4.3
30	4.3		3.6	6.5	5.0	4.8	4.6	5.6	4.4		7.8	4.8
31	6.7		4.1		5.7		5.3	5.0				4.5
Monthly mean	4.1	3.5	3.3	3.7	4.2	4.6	5.4	5.8	5.8	6.8	6.7	5.3

Table 6-8. NITRIC OXIDE, DAILY AVERAGES, 1967

(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.064	0.052	0.055	0.137	0.055	0.073	0.046	0.040	0.108		0.076	0.063
2	0.088	0.091	0.142		0.058	0.091		0.047	0.050		0.063	0.077
3	0.109	0.101	0.105		0.077	0.094		0.067	0.018	0.073	0.085	0.061
4	0.135	0.075	0.086	0.070	0.081	0.101		0.102	0.008	0.071	0.038	0.059
5	0.114	0.047	0.080	0.179	0.074	0.092		0.100	0.017	0.044	0.027	0.072
6	0.061	0.077	0.097	0.113	0.065	0.059	0.066	0.067	0.133	0.056	0.078	0.147
7	0.090	0.085	0.121		0.029	0.066	0.062	0.062	0.068	0.025	0.117	0.084
8	0.059	0.102	0.094		0.063		0.064	0.062	0.113	0.021	0.102	0.128
9	0.077	0.089	0.086		0.106	0.050	0.027	0.079	0.061	0.045	0.122	0.155
10	0.093	0.042	0.122		0.114	0.049	0.059	0.119	0.059	0.062	0.115	0.123
11	0.111	0.042	0.141	0.086	0.047	0.029	0.069	0.085	0.061	0.064	0.061	0.117
12	0.117		0.100	0.103	0.082	0.039	0.064	0.148	0.076	0.073	0.066	0.071
13	0.189		0.136	0.106	0.076	0.032	0.089	0.132	0.046	0.066	0.093	0.080
14	0.111		0.145	0.060	0.070	0.028	0.070	0.106	0.068	0.086	0.099	0.136
15	0.056		0.140	0.078	0.047	0.024	0.056	0.097	0.044	0.069	0.151	0.099
16	0.081	0.096	0.111	0.101	0.136	0.068	0.055	0.050	0.049	0.062	0.092	0.106
17	0.084		0.141	0.041	0.096	0.053	0.042	0.031	0.028	0.062	0.082	0.067
18	0.127	0.081	0.118	0.122	0.045	0.035	0.056	0.050		0.065	0.029	0.083
19		0.089	0.078	0.101	0.049		0.061	0.096	0.074	0.097		0.116
20	0.092		0.097	0.065	0.077		0.077	0.052	0.055	0.057		0.080
21	0.131		0.088	0.052	0.061	0.127	0.089	0.055	0.060	0.082	0.068	0.077
22	0.082	0.086	0.111	0.026	0.086	0.074	0.039	0.041	0.055	0.044	0.067	0.044
23		0.079	0.112	0.053	0.098	0.063	0.018	0.044		0.038	0.049	0.070
24	0.130	0.072	0.085		0.063	0.074	0.027	0.069		0.025	0.082	0.081
25		0.088	0.115	0.122	0.073	0.070	0.059	0.091		0.043	0.044	0.064
26			0.074	0.119	0.049	0.089	0.088	0.072		0.076	0.037	0.100
27	0.009	0.091	0.075	0.149	0.048	0.087	0.060	0.059	0.092	0.082	0.049	0.165
28	0.003	0.102	0.111	0.120	0.038	0.043	0.084	0.123	0.094	0.077	0.074	0.125
29	0.001		0.104	0.066	0.070	0.071	0.050	0.080	0.095	0.029	0.101	0.127
30	0.017		0.028	0.025	0.034	0.043	0.046	0.077		0.089	0.095	0.099
31	0.077		0.054		0.060		0.045	0.070		0.091		0.071
Monthly mean	0.084	0.079	0.101	0.089	0.071	0.064	0.058	0.076	0.063	0.061	0.079	0.094

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.013	0.103	0.019	0.024	0.014		0.024	0.037	0.037	0.013	0.035	0.018
2		0.029	0.015	0.011	0.010		0.008	0.011	0.121		0.037	0.031
3		0.021	0.022	0.008	0.038	0.007	0.014	0.012	0.358	0.040	0.038	0.036
4		0.021	0.020	0.015	0.031	0.012		0.012	0.353	0.041		0.077
5		0.018	0.061		0.036	0.057		0.028	0.074	0.038	0.029	0.087
6		0.019	0.036	0.049	0.016	0.027		0.062	0.066	0.022	0.034	0.065
7		0.018	0.012	0.024	0.005	0.016			0.097	0.018	0.050	0.026
8		0.065	0.045	0.014	0.008	0.027	0.018		0.089	0.011	0.108	
9	0.026	0.046	0.073	0.010	0.007	0.021	0.019		0.014	0.018	0.025	
10	0.016	0.021	0.089	0.027	0.038	0.016	0.010		0.002	0.029	0.028	
11	0.024	0.013		0.002	0.006	0.009	0.013		0.008	0.036	0.018	
12	0.029	0.010	0.006	0.003	0.011	0.025	0.013		0.010	0.138	0.010	0.046
13	0.046	0.042	0.106	0.017	0.011	0.038	0.020		0.017	0.067	0.031	0.059
14		0.011	0.049	0.015	0.020	0.044	0.022		0.028	0.066	0.029	0.051
15			0.026	0.038	0.016	0.031	0.033			0.060	0.025	
16		0.011	0.015	0.055	0.030	0.024	0.042		0.063	0.027	0.042	
17		0.024	0.014	0.008	0.013	0.028	0.040		0.035	0.028	0.053	
18		0.048	0.017	0.011	0.024	0.010	0.026		0.049	0.009	0.016	
19		0.031	0.021	0.011	0.012	0.016	0.046		0.014		0.022	
20		0.029	0.016	0.010	0.022	0.037	0.038		0.026		0.027	
21		0.014	0.006	0.019	0.020	0.010	0.039		0.013	0.027	0.033	
22	0.020	0.018		0.010	0.068	0.025	0.014	0.038	0.020		0.046	0.026
23	0.023	0.017		0.011	0.027	0.058	0.013	0.012	0.058			0.028
24	0.029	0.016	0.018	0.011	0.075	0.029	0.011	0.015	0.026	0.012	0.063	
25	0.023	0.021	0.009	0.006	0.017	0.010	0.017	0.025		0.011	0.023	
26	0.054	0.030		0.012	0.007	0.037	0.035	0.032		0.019	0.027	
27	0.016	0.028		0.029		0.095	0.011	0.011	0.027	0.021	0.018	0.035
28	0.015	0.011		0.091	0.005	0.015	0.018	0.029	0.018	0.037	0.031	0.032
29	0.035			0.054	0.010	0.011	0.019	0.156		0.033		0.055
30	0.016		0.015	0.009	0.002	0.047	0.019	0.069	0.014	0.051		
31	0.043		0.024				0.028	0.064		0.032		
Monthly mean	0.027	0.028	0.031	0.022	0.020	0.028	0.023	0.039	0.064	0.035	0.034	

Table 6-8 (continued). NITRIC OXIDE, DAILY AVERAGES, 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.037	0.050	0.049						0.024	0.010	0.060	0.032
2	0.019	0.073	0.066						0.015		0.025	0.056
3		0.043	0.092			0.014					0.028	0.037
4	0.075	0.034	0.021			0.019						
5	0.051	0.017	0.017	0.015		0.024					0.032	
6	0.028	0.039		0.023		0.032					0.066	0.040
7		0.027		0.031		0.024			0.026		0.114	0.115
8	0.052	0.054		0.022					0.024		0.082	0.074
9		0.021	0.050	0.012				0.014	0.021	0.013		0.039
10	0.086	[illegible]		0.017	0.013			0.021	0.022	0.038		0.044
11	0.058	0.035	0.051	0.017	0.037		0.020	0.023	0.021			0.027
12	0.049	0.023		0.020	0.033			0.016	0.015	0.018		0.030
13	0.042	0.026		0.020	0.026			0.015		0.015		0.077
14	0.029	0.016	0.045	0.022	0.019			0.016		0.019		
15	0.033	0.024	0.047	0.019	0.021			0.018		0.010		
16	0.034	0.029	0.059	0.012	0.020			0.027				0.078
17	0.051	0.031		0.018	0.027					0.095		0.017
18	0.064	0.036	0.059	0.019	0.020		0.032	0.021		0.061	0.064	0.083
19	0.080			0.020	0.033				0.028	0.030	0.035	0.134
20	0.079	0.043		0.030	0.022				0.061	0.072	0.033	0.039
21	0.109	0.033		0.020				0.022	0.035	0.037	0.031	0.014
22	0.032	0.025		0.022	0.031			0.022	0.031	0.031	0.059	0.077
23	0.055	0.021		0.021	0.014			0.010	0.030	0.020	0.028	0.026
24	0.032	0.051		0.049	0.015			0.014	0.035	0.040	0.036	0.005
25	0.044	0.079		0.037	0.017			0.016	0.025	0.030	0.009	0.000
26	0.077	0.045		0.062	0.036			0.011	0.023	0.024	0.013	
27	0.069	0.042			0.022			0.014	0.032	0.072	0.072	0.079
28	0.055	0.042	0.057	0.018	0.022			0.019	0.046	0.025		0.059
29	0.043				0.020			0.034	0.028	0.018		0.111
30	0.049				0.012			0.014	0.019	0.033	0.059	0.047
31	0.051				0.019			0.020		0.041		0.095
Monthly mean	0.053	0.037		0.023	0.022			0.018	0.028	0.034	0.046	0.057

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.104	0.157		0.071	0.022	0.049	0.014	0.054	0.038	0.105	0.116	0.120
2	0.028	0.050			0.043	0.032	0.007	0.089	0.030	0.160	0.064	
3		0.043			0.021		0.023	0.011	0.033	0.060	0.076	
4	0.326	0.092	0.087	0.011	0.039		0.013	0.008	0.036	0.084	0.060	0.100
5	0.071	0.050	0.058	0.063	0.037		0.040	0.023	0.056		0.044	0.148
6	0.067	0.050	0.112	0.136	0.048		0.033	0.017	0.044		0.081	0.133
7	0.087	0.023	0.063	0.058	0.035		0.011	0.042	0.043	0.036	0.075	0.090
8	0.107	0.074	0.067	0.017	0.033		0.018	0.027	0.049	0.025	0.057	0.158
9	0.091	0.097	0.075	0.019	0.038		0.024	0.020	0.035	0.021	0.146	0.355
10	0.138	0.045	0.084	0.050	0.037		0.023	0.037	0.044	0.068	0.178	0.041
11	0.066	0.072	0.079	0.021	0.054		0.032	0.024	0.045	0.084	0.140	0.037
12	0.081	0.023	0.012	0.037	0.027		0.028	0.020	0.062	0.101	0.029	0.098
13	0.176	0.076	0.075	0.023			0.031	0.023	0.098	0.092	0.038	0.091
14	0.106		0.064	0.034		0.040	0.021	0.110	0.140	0.033	0.055	0.092
15	0.076		0.056	0.045	0.048	0.057	0.027	0.104	0.042	0.053	0.027	0.045
16	0.060	0.051	0.022	0.029	0.036	0.057	0.095	0.063	0.019	0.026	0.058	0.044
17	0.102	0.059	0.015	0.079	0.130	0.034	0.124	0.060	0.026	0.085	0.061	0.073
18	0.047	0.054	0.012	0.061	0.041	0.017	0.018	0.030	0.052	0.022	0.063	0.128
19	0.098		0.016	0.010	0.047	0.055	0.028	0.019	0.096	0.039	0.030	0.115
20	0.077	0.075	0.097	0.024	0.029	0.049	0.026	0.024	0.063	0.048	0.055	0.364
21	0.082	0.045	0.072	0.043	0.027	0.067	0.052	0.029	0.010	0.072	0.085	0.358
22	0.161	0.039	0.032	0.040			0.026	0.035	0.032	0.122	0.098	
23	0.150	0.133	0.079	0.020	0.074	0.022	0.019	0.043	0.074	0.094	0.027	0.033
24	0.212			0.053	0.032	0.028	0.006	0.056	0.111	0.144	0.060	
25	0.135	0.012		0.033	0.018	0.026	0.024	0.098	0.047	0.054	0.122	0.037
26	0.167	0.008	0.037	0.015	0.046	0.018	0.014	0.081	0.060	0.088	0.305	0.060
27	0.075		0.032	0.015	0.068	0.036	0.030	0.029	0.020	0.124	0.335	0.090
28	0.028		0.069	0.018	0.027	0.038	0.013	0.037	0.016	0.066	0.044	0.100
29	0.026		0.080	0.037	0.094	0.016	0.016	0.032	0.013	0.093	0.072	0.033
30	0.050		0.070	0.039	0.012	0.053	0.013	0.053	0.034	0.138	0.109	0.064
31	0.080		0.058		0.011		0.041	0.030		0.147		0.098
Monthly mean	1.104	0.059	0.058	0.040	0.041	0.038	0.029	0.043	0.048	0.079	0.090	0.117

Table 6-8. NITRIC OXIDE, DAILY AVERAGES, 1967

(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.064	0.052	0.055	0.137	0.055	0.073	0.046	0.040	0.108		0.076	0.063
2	0.088	0.091	0.142		0.058	0.091		0.047	0.050		0.063	0.077
3	0.109	0.101	0.105		0.077	0.094		0.067	0.018	0.073	0.085	0.061
4	0.135	0.075	0.086	0.070	0.081	0.101		0.102	0.008	0.071	0.038	0.059
5	0.114	0.047	0.080	0.179	0.074	0.092		0.100	0.017	0.044	0.027	0.072
6	0.061	0.077	0.097	0.113	0.065	0.059	0.066	0.067	0.133	0.056	0.078	0.147
7	0.090	0.085	0.121		0.029	0.066	0.062	0.062	0.068	0.025	0.117	0.084
8	0.059	0.102	0.094		0.063		0.064	0.062	0.113	0.021	0.102	0.128
9	0.077	0.089	0.086		0.106	0.050	0.027	0.079	0.061	0.045	0.122	0.155
10	0.093	0.042	0.122		0.114	0.049	0.059	0.119	0.059	0.062	0.115	0.123
11	0.111	0.042	0.141	0.086	0.047	0.029	0.069	0.085	0.061	0.064	0.061	0.117
12	0.117		0.100	0.103	0.042	0.039	0.064	0.148	0.076	0.073	0.066	0.071
13	0.189		0.136	0.106	0.076	0.032	0.089	0.132	0.046	0.066	0.093	0.080
14	0.111		0.126	0.040	0.070	0.028	0.070	0.106	0.068	0.086	0.099	0.136
15	0.096		0.140	0.078	0.047	0.024	0.056	0.097	0.044	0.069	0.151	0.099
16	0.081	0.096	0.111	0.101	0.136	0.068	0.055	0.050	0.049	0.062	0.092	0.106
17	0.084		0.141	0.061	0.096	0.053	0.042	0.031	0.028	0.062	0.082	0.067
18	0.127	0.081	0.118	0.122	0.045	0.035	0.056	0.050		0.065	0.029	0.083
19		0.089	0.078	0.101	0.049		0.061	0.096	0.074	0.097		0.116
20	0.092		0.097	0.066	0.077		0.077	0.052	0.055	0.057		0.080
21	0.131		0.088	0.052	0.061	0.127	0.089	0.055	0.060	0.082	0.068	0.077
22	0.082	0.086	0.111	0.026	0.086	0.074	0.039	0.041	0.055	0.044	0.067	0.044
23		0.079	0.112	0.053	0.058	0.063	0.018	0.044		0.038	0.049	0.070
24	0.130	0.072	0.085		0.063	0.074	0.027	0.069		0.025	0.082	0.081
25		0.088	0.115	0.122	0.073	0.070	0.059	0.091		0.043	0.044	0.064
26			0.074	0.119	0.039	0.089	0.088	0.072		0.076	0.037	0.100
27	0.009	0.091	0.075	0.149	0.048	0.087	0.060	0.059	0.092	0.082	0.049	0.165
28	0.003	0.102	0.111	0.120	0.038	0.043	0.084	0.123	0.094	0.077	0.074	0.125
29	0.001		0.104	0.046	0.070	0.071	0.050	0.080	0.095	0.029	0.101	0.127
30	0.017		0.028	0.025	0.034	0.043	0.046	0.077		0.089	0.095	0.099
31	0.077		0.054		0.060		0.045	0.070		0.091		0.071
Monthly mean	0.084	0.079	0.101	0.089	0.071	0.064	0.058	0.076	0.063	0.061	0.079	0.094

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.013	0.103	0.019	0.024	0.014		0.024	0.037	0.037	0.013	0.035	0.018
2		0.029	0.015	0.011	0.010		0.008	0.011	0.121		0.037	0.031
3		0.021	0.022	0.008	0.038	0.007	0.014	0.012	0.358	0.040	0.038	0.036
4		0.021	0.020	0.015	0.031	0.012		0.012	0.353	0.041		0.077
5		0.018	0.061		0.036	0.057		0.028	0.074	0.038	0.029	0.087
6		0.019	0.036	0.049	0.016	0.027		0.062	0.066	0.022	0.034	0.065
7		0.018	0.012	0.024	0.005	0.016			0.097	0.018	0.050	0.026
8		0.065	0.045	0.014	0.008	0.027	0.018		0.089	0.011	0.108	
9	0.026	0.046	0.073	0.010	0.007	0.021	0.019		0.014	0.018	0.025	
10	0.016	0.021	0.089	0.027	0.038	0.016	0.010		0.002	0.029	0.028	
11	0.024	0.013		0.002	0.006	0.009	0.013		0.008	0.036	0.018	
12	0.029	0.010	0.006	0.003	0.011	0.025	0.013		0.010	0.138	0.010	0.046
13	0.046	0.042	0.106	0.017	0.011	0.038	0.020		0.017	0.067	0.031	0.059
14		0.011	0.049	0.015	0.020	0.044	0.022		0.028	0.066	0.029	0.051
15			0.026	0.038	0.016	0.031	0.033			0.060	0.025	
16		0.011	0.015	0.055	0.030	0.024	0.042		0.063	0.027	0.042	
17		0.024	0.014	0.008	0.013	0.028	0.040		0.035	0.028	0.053	
18		0.048	0.017	0.011	0.024	0.010	0.026		0.049	0.009	0.016	
19		0.031	0.021	0.011	0.012	0.016	0.046		0.014		0.022	
20		0.029	0.016	0.010	0.022	0.037	0.038		0.026		0.027	
21		0.014	0.006	0.019	0.020	0.010	0.039		0.013	0.027	0.033	
22	0.020	0.018		0.010	0.068	0.025	0.014	0.038	0.020		0.046	0.026
23	0.023	0.017		0.011	0.027	0.058	0.013	0.012	0.058			0.028
24	0.029	0.014	0.018	0.011	0.075	0.029	0.011	0.015	0.026	0.012	0.063	
25	0.023	0.021	0.009	0.006	0.017	0.010	0.017	0.025		0.011	0.023	
26	0.054	0.030		0.012	0.007	0.037	0.035	0.032		0.019	0.027	
27	0.016	0.028		0.029		0.095	0.011	0.011	0.027	0.021	0.018	0.035
28	0.015	0.011		0.091	0.005	0.015	0.018	0.029	0.019	0.037	0.031	0.032
29	0.035			0.054	0.010	0.011	0.019	0.156		0.033		0.055
30	0.016		0.016	0.009	0.002	0.047	0.019	0.069	0.014	0.051		
31	0.043		0.024				0.028	0.064		0.032		
Monthly mean	0.027	0.028	0.031	0.022	0.020	0.028	0.023	0.039	0.064	0.035	0.034	

Table 6-8 (continued). NITRIC OXIDE, DAILY AVERAGES, 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.037	0.050	0.049						0.024	0.010	0.060	0.032
2	0.019	0.073	0.066						0.015		0.025	0.056
3		0.063	0.032			0.014					0.028	0.037
4	0.075	0.034	0.021			0.019						
5	0.051	0.017	0.017	0.019		0.024					0.032	
6	0.028	0.039		0.023		0.032					0.066	0.040
7		0.027		0.031		0.024			0.026		0.114	0.115
8	0.052	0.054		0.022					0.024		0.082	0.074
9		0.021	0.050	0.012				0.014	0.021	0.013		0.039
10	0.086	0.037		0.017	0.013			0.021	0.022	0.038		0.064
11	0.058	0.035	0.051	0.017	0.037		0.020	0.023	0.021			0.027
12	0.049	0.023		0.020	0.033			0.016	0.015	0.018		0.030
13	0.042	0.026		0.020	0.026			0.015		0.015		0.077
14	0.029	0.016	0.065	0.022	0.019			0.016		0.019		
15	0.033	0.026	0.047	0.019	0.021			0.018		0.010		
16	0.034	0.029	0.059	0.012	0.020			0.027				0.078
17	0.051	0.031		0.018	0.027					0.095		0.017
18	0.064	0.036	0.059	0.019	0.020		0.032	0.021		0.061	0.064	0.083
19	0.080			0.020	0.033				0.028	0.030	0.035	0.134
20	0.079	0.043		0.030	0.022				0.061	0.072	0.033	0.039
21	0.109	0.033		0.020				0.022	0.035	0.037	0.031	0.014
22	0.032	0.025		0.022	0.031			0.022	0.031	0.031	0.059	0.077
23	0.055	0.021		0.021	0.014			0.010	0.030	0.020	0.028	0.026
24	0.032	0.051		0.069	0.015			0.014	0.035	0.040	0.036	0.005
25	0.044	0.079		0.037	0.017			0.016	0.025	0.030	0.009	0.000
26	0.077	0.045		0.062	0.036			0.011	0.023	0.024	0.013	
27	0.069	0.042			0.022			0.014	0.032	0.072	0.072	0.079
28	0.055	0.042	0.057	0.018	0.022			0.019	0.046	0.025		0.059
29	0.043				0.020			0.034	0.028	0.018		0.111
30	0.049				0.012			0.014	0.019	0.033	0.059	0.047
31	0.051				0.019			0.020		0.041		0.095
Monthly mean	0.053	0.037		0.023	0.022			0.018	0.028	0.034	0.046	0.057

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.104	0.157		0.071	0.022	0.049	0.014	0.054	0.038	0.105	0.116	0.120
2	0.028	0.050			0.043	0.032	0.007	0.089	0.030	0.160	0.064	
3		0.063			0.021		0.023	0.011	0.033	0.060	0.076	
4	0.326	0.092	0.087	0.011	0.039		0.013	0.008	0.036	0.084	0.060	0.100
5	0.071	0.050	0.058	0.063	0.037		0.040	0.023	0.056		0.044	0.168
6	0.067	0.050	0.112	0.136	0.048		0.033	0.017	0.044		0.081	0.133
7	0.087	0.023	0.063	0.058	0.035		0.011	0.042	0.043	0.036	0.075	0.090
8	0.107	0.074	0.067	0.017	0.033		0.018	0.027	0.049	0.025	0.057	0.158
9	0.091	0.097	0.075	0.019	0.038		0.024	0.020	0.035	0.021	0.146	0.355
10	0.138	0.065	0.084	0.050	0.037		0.023	0.037	0.044	0.068	0.178	0.061
11	0.066	0.072	0.079	0.021	0.054		0.032	0.024	0.045	0.084	0.140	0.037
12	0.081	0.023	0.012	0.037	0.027		0.028	0.020	0.062	0.101	0.029	0.098
13	0.176	0.076	0.075	0.023			0.031	0.023	0.098	0.092	0.038	0.091
14	0.106		0.064	0.034		0.040	0.021	0.110	0.140	0.033	0.055	0.092
15	0.076		0.056	0.065	0.048	0.057	0.027	0.104	0.042	0.053	0.027	0.065
16	0.060	0.051	0.022	0.029	0.036	0.057	0.095	0.063	0.019	0.026	0.058	0.044
17	0.102	0.059	0.015	0.079	0.130	0.034	0.124	0.060	0.026	0.085	0.061	0.073
18	0.047	0.054	0.012	0.061	0.041	0.017	0.018	0.030	0.052	0.022	0.063	0.128
19	0.098		0.016	0.010	0.047	0.055	0.028	0.019	0.096	0.039	0.030	0.115
20	0.077	0.075	0.097	0.024	0.029	0.049	0.026	0.024	0.063	0.068	0.055	0.364
21	0.082	0.045	0.072	0.063	0.027	0.067	0.052	0.029	0.010	0.072	0.085	0.358
22	0.161	0.039	0.032	0.040			0.026	0.035	0.032	0.122	0.098	
23	0.150	0.133	0.079	0.020	0.024	0.022	0.019	0.043	0.074	0.094	0.027	0.033
24	0.212			0.053	0.032	0.028	0.006	0.056	0.111	0.144	0.060	
25	0.135	0.012		0.033	0.018	0.026	0.024	0.098	0.047	0.056	0.122	0.037
26	0.167	0.008	0.037	0.015	0.046	0.018	0.014	0.081	0.060	0.088	0.305	0.060
27	0.075		0.032	0.015	0.068	0.036	0.030	0.029	0.020	0.124	0.335	0.090
28	0.028		0.069	0.018	0.027	0.038	0.013	0.037	0.016	0.066	0.044	0.100
29	0.026		0.080	0.037	0.094	0.016	0.016	0.032	0.013	0.093	0.072	0.033
30	0.050		0.070	0.039	0.012	0.053	0.013	0.053	0.034	0.138	0.159	0.066
31	0.080		0.058		0.011		0.041	0.030		0.147		0.098
Monthly mean	1.104	0.059	0.058	0.040	0.041	0.038	0.029	0.043	0.048	0.079	0.090	0.117

Table 6-8 (continued). NITRIC OXIDE, DAILY AVERAGES, 1967

(ppm)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.054	0.073	0.037	0.035	0.021	0.005	0.019	0.029	0.050	0.021	0.056	0.056
2	0.041	0.024	0.054	0.011	0.005	0.012	0.006	0.018	0.038	0.037	0.059	0.039
3	0.026	0.092	0.056	0.032	0.044		0.012	0.028	0.013	0.036	0.025	0.030
4	0.046	0.035	0.038	0.034	0.035		0.015	0.016	0.022	0.043	0.019	
5	0.042		0.013	0.050			0.047	0.035	0.033	0.018	0.009	0.087
6				0.016	0.018	0.028	0.039	0.017	0.017	0.031	0.073	0.042
7			0.059	0.021	0.001	0.019	0.041	0.014	0.020	0.017	0.068	0.014
8		0.092	0.054	0.024	0.007	0.016	0.015	0.040	0.033	0.005	0.081	0.075
9	0.100	0.081	0.062	0.010		0.015	0.014	0.017	0.006	0.025	0.083	0.046
10	0.012	0.026	0.063	0.024	0.036	0.010	0.019	0.032	0.015			0.029
11	0.070	0.016	0.013	0.038	0.011	0.008	0.017	0.032	0.030	0.071		0.020
12	0.084	0.029	0.005	0.045	0.029	0.026	0.018	0.021	0.048	0.057	0.006	0.048
13	0.075	0.090	0.045		0.017	0.015	0.015	0.019	0.030	0.071	0.037	0.055
14	0.013	0.068	0.045	0.032	0.013	0.013	0.016	0.042	0.017	0.097	0.040	0.040
15		0.028	0.015	0.014	0.017	0.018	0.022	0.040	0.038		0.047	0.031
16	0.065	0.067	0.041	0.019	0.044	0.022	0.030	0.041	0.021	0.022	0.050	0.043
17	0.016	0.072	0.024		0.039	0.004	0.016	0.038	0.022	0.035	0.026	0.037
18	0.048	0.078	0.025	0.019	0.051	0.000	0.036	0.035	0.044	0.014	0.013	0.061
19	0.093	0.025	0.007	0.030	0.013	0.019	0.047	0.009	0.031	0.058	0.060	0.125
20	0.078	0.011	0.041	0.024	0.022	0.014	0.029	0.026	0.033	0.041	0.065	0.089
21	0.052	0.039	0.011	0.037	0.009	0.006	0.055		0.017	0.064	0.074	0.054
22	0.031	0.027	0.039	0.006	0.048	0.018	0.027	0.030	0.040	0.015	0.043	0.019
23	0.076	0.034	0.035	0.006	0.027	0.045	0.010	0.012	0.029	0.040	0.021	0.037
24	0.030	0.016	0.056	0.027	0.034	0.026	0.031	0.024	0.012	0.015	0.081	0.061
25	0.028	0.031	0.050	0.034	0.038	0.011	0.029	0.027	0.039	0.027	0.073	0.017
26	0.032	0.020	0.013	0.019	0.014	0.068	0.026	0.010	0.037	0.068	0.034	0.065
27	0.010	0.049	0.030	0.021	0.001	0.036	0.036	0.009	0.029	0.031	0.023	0.056
28	0.028	0.022	0.046	0.085	0.000	0.026	0.047	0.077	0.017	0.026	0.097	0.054
29	0.043		0.036	0.014			0.032	0.039	0.029	0.008	0.059	0.085
30	0.077		0.028	0.007		0.032	0.018	0.029	0.033	0.049	0.043	0.016
31	0.100		0.037		0.016		0.021	0.040		0.071		0.016
Monthly mean	0.051	0.045	0.035	0.026	0.023	0.020	0.026	0.028	0.028	0.040	0.049	0.048

WASHINGTON

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.061	0.359	0.019	0.015	0.022	0.039	0.014	0.011	0.023	0.024	0.078	0.076
2	0.069	0.042	0.046	0.059	0.022	0.015	0.003	0.038	0.042	0.073	0.064	0.220
3	0.120	0.030	0.021	0.025	0.014	0.046	0.013	0.018	0.071	0.061	0.056	0.057
4	0.093		0.023	0.010	0.025	0.012	0.007	0.021	0.023	0.092	0.025	0.101
5	0.051		0.028	0.041	0.019	0.036	0.016	0.022	0.050	0.069	0.002	0.285
6	0.083	0.038	0.087	0.074	0.030	0.025	0.060	0.022	0.016	0.030	0.036	0.171
7	0.081	0.017	0.040	0.017	0.008	0.017	0.004	0.063	0.023	0.025	0.033	0.122
8	0.058	0.100	0.050	0.002	0.044	0.014	0.018	0.032	0.013	0.006	0.050	0.226
9	0.074	0.250	0.090		0.027	0.016	0.013	0.016	0.010	0.020	0.161	0.168
10	0.127	0.047	0.069		0.056	0.013	0.010	0.015	0.014	0.033		0.030
11	0.026	0.028	0.033		0.078	0.006	0.019	0.014	0.041	0.036		
12	0.079	0.023	0.007		0.021	0.024	0.013	0.014	0.078	0.092		0.099
13	0.133	0.090	0.027		0.064	0.012	0.007	0.014	0.089	0.085	0.020	0.227
14	0.095	0.094	0.048		0.034	0.010	0.022	0.026	0.106	0.038	0.037	0.167
15	0.044	0.048	0.026		0.027	0.009	0.014	0.116	0.030	0.040	0.020	0.035
16	0.027	0.006	0.015		0.007	0.009	0.003	0.053	0.007	0.038	0.037	0.032
17	0.094	0.050	0.018		0.081	0.012	0.032	0.088	0.026	0.064	0.058	0.078
18	0.032	0.081	0.011	0.015	0.090		0.014	0.018	0.070	0.016	0.032	0.114
19	0.091	0.042	0.018	0.014	0.026		0.029	0.015	0.060	0.023	0.015	0.131
20	0.110	0.043	0.042	0.075	0.011	0.005	0.020	0.026	0.061	0.061	0.027	0.228
21	0.031	0.023	0.053	0.098	0.014	0.041	0.026	0.033	0.014	0.041	0.052	0.149
22		0.018	0.028	0.010	0.044	0.015	0.028	0.024	0.015	0.081	0.101	0.036
23		0.040	0.035	0.012	0.016	0.015	0.008	0.019	0.015	0.165	0.028	0.016
24	0.173	0.014	0.029	0.017	0.019	0.004	0.014	0.017	0.009	0.098	0.076	0.025
25	0.093		0.031	0.032	0.015	0.001	0.012	0.060	0.047	0.021	0.118	0.062
26	0.137		0.037	0.071	0.011	0.003	0.008	0.031	0.047	0.084	0.309	0.032
27	0.048		0.014	0.018	0.017	0.030	0.008	0.013	0.019	0.069	0.184	0.054
28	0.008		0.023	0.024	0.018	0.012	0.016	0.010	0.012	0.024	0.036	0.058
29	0.005		0.025	0.033	0.016	0.010	0.019	0.018	0.018	0.096	0.095	0.025
30	0.045		0.021	0.068	0.009	0.013	0.006	0.023	0.010	0.121	0.065	0.052
31	0.197		0.017		0.036		0.027	0.015		0.196		0.041
Monthly mean	0.076	0.064	0.033	0.034	0.028	0.017	0.016	0.029	0.035	0.062	0.066	0.102

Table 6-9. NITROGEN DIOXIDE, DAILY AVERAGES, 1967
(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.047	0.029	0.040	0.053	0.069	0.056	0.054	0.061	0.044	0.055	0.035	
2	0.047	0.045	0.057	0.049	0.043	0.076		0.078	0.039	0.043	0.027	0.026
3	0.045	0.048	0.050	0.059	0.053	0.099		0.069	0.026	0.049		0.025
4	0.042	0.042	0.041	0.063	0.049	0.109		0.054		0.036	0.039	0.027
5	0.020	0.037	0.036	0.087		0.088		0.072		0.033	0.034	
6		0.048	0.058	0.057	0.058	0.067	0.051	0.063	0.079	0.024	0.059	
7		0.047		0.052	0.062	0.060	0.050	0.058	0.080	0.019	0.072	
8		0.054	0.049	0.075	0.045	0.052	0.047	0.055	0.114	0.015	0.063	0.046
9		0.055	0.050	0.073	0.047	0.052	0.040	0.052	0.035	0.022	0.035	
10	0.046	0.041	0.083	0.064	0.064		0.039	0.030		0.024	0.045	
11	0.047	0.037	0.059	0.082	0.049		0.049	0.040	0.040	0.026	0.031	0.030
12	0.047	0.048	0.050	0.101	0.044		0.033	0.058		0.041	0.021	0.035
13	0.058	0.044	0.047	0.072	0.066	0.058	0.026			0.044		0.036
14		0.053	0.053	0.069	0.064	0.064	0.032		0.044	0.053		
15		0.038	0.056	0.087	0.057	0.068	0.030	0.095	0.039	0.036		0.040
16		0.049	0.061	0.091	0.073	0.064	0.052	0.074		0.033		0.036
17		0.051	0.054	0.037	0.070	0.029	0.057	0.061		0.038		0.033
18	0.025	0.049	0.064	0.018	0.062	0.032	0.061	0.055	0.046	0.029		0.030
19	0.034	0.055	0.068	0.026	0.049	0.040	0.057	0.027	0.034	0.040		0.016
20	0.037	0.061	0.072	0.040	0.043		0.047	0.043	0.030	0.025		
21	0.052		0.070	0.044	0.061	0.081	0.067	0.046	0.020	0.021	0.034	0.033
22	0.039		0.081	0.037	0.051	0.050	0.067	0.030	0.018	0.029	0.023	0.036
23	0.040	0.040	0.071	0.056	0.059	0.075	0.045	0.042	0.029	0.043	0.023	0.034
24	0.037	0.036	0.055	0.045	0.082	0.052	0.051	0.038	0.024	0.029		0.035
25	0.022	0.041	0.081	0.061	0.098	0.057	0.059	0.087	0.034	0.017	0.025	0.032
26		0.045	0.067	0.057	0.087	0.087	0.063	0.049		0.024	0.023	0.040
27		0.042	0.054	0.076	0.062	0.091	0.063	0.026	0.020	0.025	0.023	0.049
28		0.042	0.066	0.086	0.052	0.061	0.038	0.061	0.019	0.028	0.031	0.047
29			0.066	0.067	0.050	0.064	0.058	0.067	0.023	0.030	0.044	
30			0.074	0.080	0.051	0.061	0.064	0.032	0.042	0.044		
31			0.056		0.052		0.048	0.033		0.034		
Monthly mean	0.041	0.045	0.060	0.062	0.059	0.065	0.050	0.053	0.040	0.032	0.036	0.034

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.028	0.035	0.030	0.034			0.037	0.028	0.029	0.026	0.023	0.030
2	0.037	0.027	0.029	0.022	0.028		0.029	0.020	0.028	0.029	0.028	0.030
3	0.043	0.024	0.027	0.018	0.046	0.026	0.038		0.035	0.031	0.018	0.026
4	0.035	0.023	0.024	0.032	0.026	0.018		0.018	0.032	0.031	0.023	0.030
5	0.023	0.032	0.029		0.028	0.028		0.019	0.036	0.033	0.015	0.031
6	0.034	0.031	0.036	0.044	0.027	0.022		0.031	0.043	0.019	0.022	0.035
7	0.028	0.053	0.029	0.042	0.028	0.027			0.048	0.022	0.025	0.030
8	0.035	0.040	0.041	0.027	0.011	0.024			0.035	0.020	0.036	0.028
9	0.036	0.032	0.048	0.031	0.017	0.032			0.022	0.017	0.028	0.026
10	0.039	0.026	0.049	0.025	0.036	0.030	0.015		0.019	0.025	0.040	0.030
11	0.036	0.023		0.023	0.015	0.028	0.017		0.025	0.028	0.032	0.023
12	0.038	0.022	0.026	0.033	0.012	0.028			0.022	0.030	0.017	0.023
13	0.037	0.032	0.043	0.031	0.023	0.029	0.022		0.022	0.030	0.024	0.030
14	0.020	0.037	0.044	0.018	0.023	0.028	0.019		0.037	0.024	0.026	0.028
15	0.018	0.023	0.030	0.020	0.018	0.019	0.025		0.047	0.024	0.031	0.028
16	0.023	0.019	0.028	0.030	0.023	0.031	0.027		0.069	0.033	0.032	0.028
17	0.019	0.025	0.022	0.021	0.032	0.026	0.037		0.042	0.027	0.031	0.027
18	0.024	0.037	0.032	0.022	0.037	0.018	0.030		0.056	0.026	0.016	0.026
19	0.030	0.031	0.034	0.023	0.025	0.024	0.035		0.058	0.023	0.021	0.043
20	0.031	0.028		0.024	0.017	0.021	0.029		0.037	0.023	0.025	
21	0.027	0.030		0.027	0.026	0.015	0.040		0.024	0.021	0.028	
22	0.026	0.030		0.025	0.036	0.020	0.027	0.020	0.023	0.024	0.026	0.026
23	0.024	0.026		0.023	0.026	0.030	0.026	0.034	0.030	0.035	0.020	0.017
24	0.025	0.022	0.029	0.018	0.036		0.021	0.033	0.032	0.030	0.020	0.017
25	0.027	0.025	0.049	0.017	0.036		0.025	0.028		0.017	0.024	0.014
26	0.026	0.029	0.057	0.024	0.036	0.026	0.033	0.041		0.019	0.026	0.021
27	0.020	0.025	0.052	0.031		0.035	0.023	0.026	0.013	0.021	0.025	0.026
28	0.021	0.026		0.041	0.030	0.025	0.023	0.037	0.011	0.025	0.028	0.027
29	0.029			0.044	0.024	0.025	0.022	0.044		0.024	0.031	0.021
30	0.024		0.032	0.026	0.012	0.051	0.025			0.033	0.035	0.024
31	0.034		0.032				0.022			0.032		0.021
Monthly mean	0.029	0.029	0.036	0.028	0.026	0.026	0.027		0.034	0.026	0.026	0.026

Table 6-9 (continued). NITROGEN DIOXIDE, DAILY AVERAGES, 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1	0.035	0.034	0.047	0.021	0.029				0.037		0.045	0.038
2		0.041	0.051	0.015	0.022						0.034	0.059
3	0.032	0.036	0.032		0.016						0.052	0.065
4	0.040	0.030	0.025		0.019						0.056	
5	0.038	0.018	0.027	0.026	0.020	0.025			0.037		0.040	0.059
6	0.028	0.030	0.044	0.026	0.029				0.049		0.067	
7	0.035	0.025		0.037	0.021				0.038	0.025	0.049	0.068
8	0.039	0.037	0.063	0.026			0.017		0.038	0.030	0.044	0.052
9	0.045	0.024	0.048	0.017				0.034		0.024	0.054	
10	0.041	0.026	0.059	0.026		0.026		0.046	0.037	0.031	0.044	0.059
11	0.038	0.030	0.038	0.018				0.045	0.028	0.031		0.037
12	0.032	0.015	0.039	0.022				0.043	0.023	0.028		0.036
13	0.036		0.055	0.021				0.038	0.031	0.024		0.053
14	0.034	0.025	0.035	0.035	0.019		0.044	0.045	0.043	0.028	0.056	
15	0.047	0.025	0.036	0.035			0.038	0.037	0.042	0.022	0.040	
16	0.025	0.030	0.037	0.032				0.048	0.028	0.043	0.035	
17	0.040	0.036	0.032					0.035		0.049	0.046	0.038
18	0.042	0.040	0.047	0.036			0.049	0.042	0.040	0.048	0.048	0.077
19	0.044	0.030	0.035	0.016		0.020	0.049		0.042	0.039	0.029	0.068
20	0.043	0.035		0.016		0.024			0.046	0.072	0.033	0.033
21	0.065	0.035		0.020					0.048	0.050	0.029	0.029
22	0.025	0.027		0.023			0.041	0.050	0.046		0.055	
23	0.030	0.023		0.014		0.012	0.043		0.038		0.040	0.032
24	0.027	0.042		0.037				0.052	0.054		0.040	0.023
25	0.026	0.054		0.026					0.054	0.068	0.024	0.026
26	0.066	0.035		0.041					0.030	0.031	0.031	0.047
27	0.043	0.041							0.050		0.055	
28	0.040	0.036		0.029					0.050	0.034		0.047
29	0.033			0.017					0.041	0.028		0.091
30	0.033			0.010						0.050	0.081	0.049
31	0.029							0.009		0.048		
Monthly mean	0.038	0.032	0.042	0.024					0.041	0.038	0.045	0.048

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.038	0.054	0.021	0.081	0.089	0.065	0.035	0.056	0.021	0.025	0.028	0.029
2	0.045	0.047	0.045	0.095	0.079	0.067	0.026	0.049	0.024	0.042	0.023	0.037
3	0.082	0.035	0.054	0.059	0.033	0.060	0.043	0.029	0.024	0.063	0.031	0.025
4	0.083	0.054	0.053	0.040	0.030	0.050	0.033	0.028	0.032		0.024	0.022
5	0.046	0.042	0.041	0.075	0.038	0.055	0.040	0.040	0.045		0.021	0.036
6	0.042		0.041	0.079	0.030	0.059	0.047	0.035	0.048		0.024	0.030
7	0.045		0.040	0.040	0.027	0.047	0.047	0.050	0.048		0.022	0.032
8	0.040	0.046	0.060	0.041	0.028	0.053	0.041	0.035	0.041	0.025	0.024	0.028
9	0.047	0.066	0.068	0.051	0.023	0.054	0.032	0.035	0.044	0.020	0.049	0.040
10	0.053	0.071	0.087	0.051	0.036	0.066	0.054		0.027	0.023	0.042	0.018
11	0.034	0.049	0.082	0.031	0.053	0.059	0.055	0.026	0.033	0.024	0.040	0.021
12	0.036	0.029	0.033		0.037		0.048	0.028	0.026	0.022	0.031	0.023
13	0.063	0.046	0.045			0.059	0.056	0.026	0.069	0.032	0.017	0.028
14	0.049	0.064	0.046	0.069		0.050	0.052	0.045	0.054	0.038	0.025	0.030
15	0.042	0.072	0.039	0.076	0.045	0.068	0.037	0.058	0.034	0.039	0.017	0.020
16	0.038	0.049	0.036	0.058	0.049	0.073	0.050	0.071	0.014	0.029	0.022	0.020
17	0.047		0.042	0.045	0.075	0.043	0.069	0.068	0.033	0.045	0.028	0.025
18	0.032	0.047	0.035	0.034	0.062	0.031	0.065	0.053	0.050	0.018	0.024	0.036
19	0.049	0.079	0.048	0.029	0.072	0.041	0.033	0.032	0.048	0.018	0.017	0.031
20	0.062	0.057	0.068	0.044	0.047	0.037	0.038	0.034	0.056	0.032	0.019	0.058
21	0.048	0.040	0.059	0.065	0.043	0.041	0.049	0.045	0.022	0.034	0.024	0.070
22	0.078	0.046	0.053	0.057	0.052	0.048	0.060	0.042	0.019	0.028	0.035	0.026
23	0.065	0.051	0.059	0.037	0.050	0.059		0.038	0.022	0.043	0.021	0.019
24	0.075	0.034		0.047	0.043	0.063	0.030	0.030	0.031	0.044	0.022	0.020
25	0.068	0.019		0.036	0.035	0.053	0.056	0.032	0.024	0.031	0.024	0.029
26	0.093	0.013	0.052	0.041	0.049	0.031	0.043	0.051	0.033	0.024	0.051	0.029
27	0.037	0.027	0.037	0.051	0.059	0.055	0.072	0.027	0.027	0.033	0.043	0.034
28	0.034	0.023	0.049	0.037	0.054	0.066	0.041	0.033	0.015	0.023	0.016	0.037
29	0.034		0.056	0.043	0.044	0.044	0.041	0.041	0.017	0.028	0.024	0.024
30	0.036		0.069	0.060		0.033	0.042	0.052	0.023	0.046	0.028	0.034
31	0.047		0.066		0.034		0.063	0.029		0.047		0.036
Monthly mean	0.051	0.047	0.051	0.053	0.047	0.053	0.047	0.041	0.033	0.032	0.027	0.031

Table 6-9 (continued). NITROGEN DIOXIDE, DAILY AVERAGES , 1967

(ppm)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.027	0.029	0.028	0.034	0.027	0.001	0.033	0.027		0.029	0.018	0.011
2	0.034	0.028	0.042	0.022	0.018	0.030	0.015	0.026	0.031	0.036	0.014	0.013
3	0.027	0.027	0.037	0.019		0.018	0.021	0.024	0.034	0.032	0.015	0.012
4	0.035	0.029	0.031	0.020	0.042	0.000	0.016	0.017	0.034	0.029	0.016	0.016
5	0.027	0.025	0.023	0.017	0.032	0.013	0.023	0.031	0.035	0.018	0.012	0.020
6	0.028	0.023	0.024	0.012	0.024	0.023	0.050	0.022	0.032	0.019	0.024	0.018
7	0.026	0.036	0.042	0.022	0.017	0.021	0.043	0.028	0.036	0.016	0.026	0.011
8	0.026	0.044	0.034	0.022	0.018	0.021	0.031	0.024	0.042	0.006	0.023	0.020
9	0.033	0.038	0.043	0.024	0.023	0.024	0.016	0.018	0.026	0.015	0.020	0.011
10	0.027	0.037	0.060	0.022	0.031	0.019	0.023	0.016	0.015	0.009	0.025	0.010
11	0.029	0.020	0.041	0.027	0.022	0.019	0.032	0.021	0.026	0.028	0.021	0.005
12	0.037	0.023	0.029	0.028	0.022	0.031	0.029	0.026	0.030	0.022	0.018	0.014
13	0.038	0.040	0.040	0.022	0.014	0.030	0.012	0.028	0.021	0.035	0.014	0.013
14	0.032	0.043	0.026	0.031	0.011	0.033	0.018	0.036	0.019	0.039	0.019	0.008
15	0.024	0.023	0.025	0.024	0.014	0.033	0.019	0.036	0.026	0.022	0.020	0.009
16	0.029	0.020	0.036	0.010	0.019	0.022	0.019	0.036	0.020	0.019	0.025	0.013
17	0.024	0.027	0.030	0.018	0.029	0.001	0.022	0.033	0.023	0.029	0.027	0.012
18	0.032	0.029	0.038	0.019	0.022	0.012	0.032	0.024	0.027	0.022	0.016	0.015
19	0.041	0.025	0.031	0.027	0.009	0.035	0.051	0.008	0.025	0.029	0.025	0.017
20	0.039	0.016	0.040	0.032	0.006	0.026	0.042	0.015	0.027	0.026	0.025	0.013
21	0.035	0.021	0.028	0.032	0.004	0.010	0.055	0.016	0.021	0.030	0.045	0.004
22	0.032	0.016	0.043	0.016	0.009	0.024	0.025	0.019	0.023	0.021	0.016	0.016
23	0.034	0.017	0.043	0.013	0.012	0.039	0.020	0.018	0.026	0.034	0.016	0.014
24	0.021	0.011	0.035	0.021	0.013	0.022	0.033	0.026	0.016	0.021	0.027	0.018
25	0.024	0.028	0.028	0.024	0.025	0.014	0.034	0.028	0.026	0.014	0.027	0.016
26	0.023	0.021	0.025	0.027	0.029	0.033	0.036		0.025	0.021	0.024	0.024
27	0.027	0.026	0.019	0.026	0.014	0.035	0.029		0.011	0.013	0.016	0.021
28	0.036	0.028	0.032	0.029	0.010	0.033	0.035		0.015	0.016	0.016	0.023
29	0.037		0.032	0.029	0.004		0.031	0.048	0.025	0.013	0.014	0.030
30	0.035		0.030	0.018	0.008	0.053	0.021	0.036	0.028	0.022	0.015	0.010
31	0.046		0.031		0.013		0.023	0.027		0.016		0.017
Monthly mean	0.031	0.027	0.034	0.023	0.018	0.023	0.029	0.026	0.026	0.023	0.021	0.015

WASHINGTON

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		0.087	0.034	0.061	0.054	0.064		0.030	0.017	0.027	0.057	0.045
2		0.044	0.055	0.072	0.040	0.077		0.041	0.030	0.046	0.038	0.071
3		0.029	0.059	0.051	0.038	0.079	0.041	0.029	0.034	0.068	0.040	0.037
4		0.045	0.050	0.044	0.045	0.047	0.047	0.027	0.033	0.054		0.035
5		0.037	0.026	0.055	0.047	0.056	0.059		0.047	0.056		0.067
6		0.037	0.031	0.066	0.040	0.043	0.068	0.027	0.049	0.027	0.031	0.059
7		0.034	0.037	0.048	0.027	0.038	0.033	0.044	0.049	0.023	0.028	0.064
8		0.060	0.069	0.035	0.048	0.044	0.027	0.030	0.043	0.025	0.042	0.059
9		0.074	0.070	0.031	0.031	0.049	0.028	0.019	0.032	0.032	0.057	0.046
10		0.046	0.068	0.043	0.037	0.045	0.039	0.029	0.028	0.021	0.075	0.024
11	0.036	0.041	0.053	0.066	0.056	0.034	0.042	0.022	0.029	0.034	0.035	
12	0.047	0.029	0.035	0.084	0.041	0.053	0.038	0.020	0.046	0.041		0.039
13	0.058	0.056	0.035	0.059	0.046	0.047	0.038	0.027	0.045	0.054		0.046
14	0.035	0.062	0.056	0.080	0.038	0.033	0.045	0.021	0.052	0.043	0.046	0.055
15	0.027	0.046	0.044		0.035	0.048	0.035	0.041	0.039	0.030	0.043	0.041
16	0.045	0.072	0.033		0.037	0.045	0.029	0.054	0.021	0.033	0.049	0.023
17	0.077	0.034	0.040		0.069	0.035	0.054	0.054	0.026	0.040	0.051	0.018
18		0.059			0.053	0.035	0.048	0.039	0.038	0.026	0.036	0.040
19		0.045			0.060	0.035	0.052	0.042	0.038	0.029	0.024	0.038
20		0.040			0.046	0.049	0.033	0.039	0.056	0.046	0.026	0.047
21	0.048	0.038	0.058		0.046	0.088	0.041	0.039	0.027	0.039	0.038	0.037
22	0.054	0.039	0.054		0.053	0.040	0.040	0.024	0.024	0.031	0.046	0.020
23	0.053	0.046	0.051		0.050	0.055	0.032	0.030	0.019	0.055	0.026	0.019
24	0.062	0.032	0.054		0.047	0.045	0.033	0.028	0.015	0.048	0.026	0.017
25	0.059	0.027	0.060		0.045	0.032	0.032	0.046	0.028	0.027	0.037	0.030
26	0.067	0.038	0.057		0.048	0.034	0.036	0.042	0.043	0.032	0.061	0.020
27	0.035	0.050	0.036	0.051	0.058	0.066	0.047	0.027	0.031	0.041	0.053	0.035
28	0.027	0.034	0.037	0.035	0.068	0.053	0.045	0.022	0.024		0.025	0.041
29	0.026		0.048	0.037	0.062	0.042	0.043	0.035	0.023		0.047	0.036
30	0.033		0.057	0.048	0.035	0.040	0.027	0.037	0.022	0.061	0.044	0.041
31	0.060		0.054		0.057		0.049	0.018		0.083		0.025
Monthly mean	0.046	0.044	0.049	0.054	0.047	0.048	0.040	0.033	0.033	0.040	0.042	0.039

Table 6-10. SULFUR DIOXIDE, DAILY AVERAGES, 1967

(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			0.238	0.067	0.105	0.040	0.070	0.019	0.008	0.104	0.183	0.150
2		0.336	0.380	0.064	0.037	0.053	0.016	0.044	0.002	0.178	0.174	0.139
3		0.389	0.298	0.045	0.056	0.087	0.021	0.090	0.001	0.149	0.192	0.202
4	0.386	0.264	0.055	0.130	0.021	0.101	0.013	0.027	0.008	0.149	0.091	0.364
5	0.322	0.142	0.109	0.071	0.019	0.063	0.007	0.051	0.000	0.014	0.080	0.213
6	0.247	0.141	0.210	0.042	0.014	0.086	0.013	0.063	0.004	0.009	0.274	0.152
7		0.221	0.288	0.039	0.031	0.074	0.014	0.033	0.000	0.045	0.274	0.189
8		0.654	0.388	0.062	0.022	0.101	0.050	0.032	0.055	0.022	0.277	0.170
9		0.377	0.401	0.027	0.081	0.112	0.054	0.015	0.022	0.058	0.147	0.044
10		0.333	0.285	0.028	0.050	0.051	0.016	0.017		0.087	0.139	0.061
11	0.481	0.204		0.043	0.047	0.041	0.044	0.008		0.132	0.151	0.171
12	0.424	0.391		0.023	0.021	0.085	0.019	0.029	0.074	0.109	0.055	0.191
13	0.474	0.416	0.192	0.033	0.021	0.094	0.020	0.033	0.011	0.137	0.126	0.131
14	0.262	0.538	0.175	0.103	0.014	0.151	0.011	0.121	0.034	0.099	0.149	0.233
15	0.133	0.190	0.224	0.042	0.049	0.202	0.001	0.147	0.028	0.044	0.203	0.162
16		0.423	0.205	0.035	0.129	0.141	0.021	0.079	0.012	0.008	0.311	0.256
17	0.157	0.267	0.258	0.047	0.102	0.054	0.052	0.160	0.007	0.018	0.191	0.154
18	0.325	0.220	0.265	0.021	0.257	0.028	0.121	0.046	0.011	0.042	0.084	0.179
19	0.400	0.277	0.170	0.009	0.045	0.032	0.002	0.022	0.051	0.109	0.123	0.126
20	0.420	0.197	0.145	0.044	0.047	0.034	0.001	0.036	0.143	0.073	0.173	0.230
21	0.392	0.359	0.165	0.067	0.072	0.113	0.103	0.100	0.017		0.262	0.161
22	0.143	0.380	0.386	0.026	0.051	0.034	0.125	0.016	0.003	0.067	0.132	0.125
23	0.293	0.290		0.031	0.099	0.105	0.066	0.027	0.121		0.164	0.249
24	0.170	0.232	0.037	0.130	0.089	0.019	0.025	0.027	0.027	0.054	0.308	0.259
25	0.159	0.335	0.128	0.142	0.060	0.024	0.036	0.044	0.096	0.059	0.196	0.217
26	0.128	0.278	0.052	0.076	0.169	0.056	0.100	0.050	0.086	0.165	0.150	0.235
27	0.280	0.346	0.041	0.092	0.075	0.068	0.062	0.010	0.020	0.131	0.103	0.369
28	0.252	0.349	0.082	0.048	0.015	0.037	0.007	0.061	0.029	0.139	0.142	0.221
29	0.182		0.042	0.031	0.033	0.057	0.072	0.194	0.084	0.143	0.293	0.440
30	0.094		0.051	0.012	0.016	0.041	0.017	0.023	0.080	0.144	0.087	0.326
31	0.278		0.079		0.028		0.011	0.012		0.078		0.221
Monthly mean	0.274	0.317	0.191	0.054	0.060	0.072	0.039	0.052	0.037	0.088	0.174	0.206

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.014	0.036	0.022	0.030		0.032	0.014	0.019			0.008	
2	0.018	0.022	0.026	0.021		0.032	0.009	0.015			0.009	
3	0.025	0.019	0.010	0.024	0.019	0.028	0.011	0.026			0.022	
4	0.030	0.018	0.003	0.033	0.018	0.017	0.011	0.014			0.009	
5	0.027	0.015	0.019	0.022	0.040	0.017	0.017	0.010			0.017	
6	0.028	0.019	0.022	0.022	0.015	0.015	0.012	0.009			0.013	
7	0.024	0.035	0.039	0.017	0.016	0.019	0.027				0.020	
8	0.030	0.056	0.045	0.007	0.024	0.044	0.017				0.027	
9	0.039	0.050	0.052	0.009	0.021	0.021	0.020				0.022	
10	0.045	0.048	0.059	0.009	0.041	0.018	0.014					
11	0.049	0.011	0.018		0.022	0.005	0.020					
12	0.040	0.021	0.013	0.050	0.013	0.016	0.030					
13	0.045	0.067	0.046	0.017	0.026	0.027	0.032					0.007
14	0.013	0.034	0.037	0.011	0.019	0.022	0.001					0.000
15	0.010	0.034	0.018	0.014	0.014	0.022	0.015					0.001
16	0.040	0.016	0.014	0.008	0.014	0.024	0.013				0.009	0.006
17	0.016	0.033	0.004	0.019	0.014	0.021	0.021				0.011	0.000
18	0.013	0.044	0.008	0.013	0.053	0.009	0.028				0.003	
19	0.035	0.035	0.004	0.023	0.037	0.018	0.022				0.015	
20	0.056	0.031	0.001	0.025	0.015	0.014	0.020					
21	0.012	0.030	0.003	0.005	0.012	0.023	0.017					
22	0.025	0.026	0.009	0.007	0.012	0.008	0.022					
23	0.019	0.021	0.007	0.005	0.011	0.025	0.015					
24	0.045	0.017	0.019	0.011	0.019	0.021	0.023					
25	0.037	0.017	0.009	0.024	0.028	0.005	0.017					
26	0.029	0.031		0.040	0.027	0.017	0.024					
27	0.024	0.026	0.008	0.026		0.021	0.030					
28	0.021	0.022	0.014	0.022	0.008	0.030	0.018			0.011		
29	0.013		0.024	0.022	0.010	0.023	0.013			0.010		
30	0.013		0.042	0.010	0.015	0.016				0.008		
31	0.052		0.033		0.017		0.024			0.003		
Monthly mean	0.029	0.030	0.021	0.018	0.021	0.020	0.018					

Table 6-10 (continued). SULFUR DIOXIDE, DAILY AVERAGES , 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		0.010	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.005		0.005
2	0.004	0.003	0.012	0.003	0.000	0.002		0.000	0.000	0.005	0.001	0.002
3	0.011	0.003	0.005	0.000	0.000	0.001	0.004	0.001	0.001		0.005	0.015
4	0.013	0.006	0.001	0.001	0.000	0.001	0.011	0.000	0.000		0.007	0.019
5	0.011	0.010	0.001	0.002	0.000	0.001	0.012	0.009	0.001		0.004	0.031
6		0.013	0.018	0.000	0.000	0.001	0.017	0.001	0.002		0.009	0.019
7	0.014	0.000		0.001	0.000	0.000	0.009	0.001	0.001	0.001	0.012	
8	0.012	0.006		0.006	0.002	0.000		0.001	0.001	0.002	0.007	0.022
9	0.024		0.002	0.000	0.004	0.001		0.000	0.001	0.000	0.011	0.024
10	0.011		0.004	0.000	0.000	0.001			0.003	0.000	0.009	
11	0.003		0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.017		0.041
12	0.007		0.005	0.000	0.000	0.002	0.000	0.000	0.000	0.021		0.039
13	0.001		0.002	0.000	0.000	0.003	0.000	0.000	0.006			0.040
14	0.000	0.001	0.002	0.001	0.000	0.001	0.000	0.004			C.013	0.044
15	0.006		0.001	0.001	0.000	0.000	0.000	0.003	0.000		0.012	0.044
16	0.001	0.000	0.003	0.001	0.000	0.000	0.000	0.003	0.001		0.008	
17	0.002	0.002	0.003	0.001	0.002	0.000	0.000	0.002	0.001		0.008	
18	0.010	0.005	0.005	0.002	0.000	0.000	0.000	0.005	0.003	0.006	0.010	0.051
19	0.008	0.001	0.001	0.001	0.002	0.000	0.000	0.004	0.001	0.005	0.010	0.034
20	0.011	0.011	0.000	0.000	0.000	0.001	0.000		0.001	0.014	0.003	
21	0.016	0.005	0.001	0.000	0.001	0.001		0.001	0.001	0.007	0.003	
22	0.003	0.000	0.001	0.000	0.002	0.004	0.000	0.002	0.002	0.013	0.005	
23	0.003	0.000	0.001	0.000	0.000	0.000		0.002	0.003	0.007	0.003	0.029
24	0.006	0.003	0.001	0.001	0.001	0.000	0.001	0.002	0.006	0.001	0.002	0.022
25	0.003	0.020	0.000	0.000	0.000	0.002	0.001	0.007			0.000	0.026
26	0.013	0.007	0.000	0.002	0.001	0.003	0.000	0.002	0.000		0.001	0.029
27	0.019	0.009	0.001		0.000		0.000		0.003	0.008	0.005	0.027
28	0.015	0.006	0.006	0.003	0.001		0.000	0.002	0.003	0.006	0.013	0.023
29	0.014		0.001	0.000	0.001	0.002	0.000	0.003		0.002	0.005	0.029
30	0.012		0.000	0.000	0.000	0.000	0.000	0.000			0.008	0.040
31	0.022		0.002		0.000		0.000	0.000				0.069
Monthly mean	0.010	0.006	0.003	0.001	0.001	0.001	0.002	0.002	0.002	0.007	0.007	0.030

PHILADELPHIA

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.082		0.032	0.205	0.070	0.104	0.079	0.058	0.050	0.091	0.112	0.113
2	0.035		0.146	0.234	0.076	0.071	0.060	0.089	0.063	0.086	0.136	0.229
3			0.230	0.088		0.068		0.033	0.053	0.225	0.083	0.078
4			0.011	0.042				0.046	0.054	0.073	0.064	0.080
5			0.094	0.191		0.062	0.022	0.040	0.072	0.083	0.047	0.119
6			0.152	0.211		0.117	0.061	0.032	0.073	0.051	0.085	0.196
7			0.060	0.055		0.138	0.061	0.076	0.127	0.078	0.089	0.126
8			0.139	0.020		0.158	0.038	0.058	0.160	0.070	0.085	0.075
9			0.190	0.055		0.128	0.127	0.066	0.168	0.089	0.260	0.126
10		0.230	0.257		0.035	0.208	0.128	0.067	0.104	0.080	0.117	0.084
11		0.324	0.193	0.002	0.053	0.201	0.073	0.013	0.045	0.096	0.126	0.073
12		0.047	0.067	0.037	0.017		0.032	0.027	0.106		0.149	0.118
13		0.119	0.138	0.084		0.074	0.096	0.022	0.128	0.077	0.033	0.145
14		0.269	0.143	0.086	0.025	0.070	0.072	0.037	0.073	0.116	0.142	0.085
15			0.119	0.084	0.037	0.208	0.067	0.074	0.050	0.091	0.040	0.040
16		0.128	0.053		0.023	0.243	0.043	0.123	0.035	0.059	0.072	0.058
17		0.100	0.050		0.110	0.139	0.071	0.139	0.104	0.120	0.152	0.082
18		0.101	0.033	0.022	0.081	0.027	0.116	0.153	0.107	0.042	0.124	0.193
19		0.154	0.124	0.001	0.226	0.038	0.053	0.080	0.080	0.088	0.052	0.086
20		0.157	0.275	0.018	0.062	0.021		0.119	0.144	0.094	0.056	0.095
21		0.058	0.144	0.109	0.038	0.058	0.176	0.092	0.051	0.130	0.152	0.165
22		0.099	0.064	0.157	0.127	0.101	0.120	0.095	0.049	0.049	0.203	0.111
23		0.174	0.181	0.064	0.067	0.082	0.261	0.094	0.043	0.145	0.042	0.035
24	0.229	0.079	0.089	0.118	0.066	0.089	0.108	0.111	0.068	0.070	0.093	0.074
25	0.279	0.057	0.059	0.075	0.018	0.155	0.097	0.080	0.051	0.065	0.103	0.113
26	0.330	0.042	0.147	0.119	0.035	0.032	0.063	0.123	0.165	0.051	0.257	0.075
27	0.151	0.118	0.077	0.071	0.068	0.096	0.107	0.106	0.132	0.096	0.131	0.109
28	0.058	0.132	0.136	0.046	0.057	0.069	0.044	0.052	0.057	0.054	0.066	0.163
29	0.038		0.042	0.054	0.103	0.042	0.081	0.053	0.028	0.082	0.087	0.040
30			0.131		0.025	0.050	0.068	0.231	0.094	0.090	0.179	0.086
31	0.208		0.187		0.032		0.139	0.099		0.194		0.196
Monthly mean		0.134	0.120	0.087	0.066	0.100	0.088	0.080	0.084	0.092	0.111	0.109

Table 6-10 (continued). SULFUR DIOXIDE, DAILY AVERAGES, 1967

(ppm)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.001	0.043	0.093	0.015	0.035	0.123	0.027	0.027	0.013	0.023	0.004	0.018
2	0.004	0.02[illegible]	0.214	0.023	0.006	0.113	0.007	0.008	0.011	0.044	0.004	0.031
3	0.000	0.081	0.119	0.017	0.018	0.136	0.016	0.001	0.009	0.044	0.000	0.012
4	0.006	0.037	0.093	0.025	0.040	0.128	0.018	0.002	0.020	0.038	0.000	0.021
5	0.013		0.038	0.064	0.025	0.105	0.044	0.017	0.014	0.022	0.003	0.035
6	0.060	0.059	0.005	0.017	0.018	0.085	0.031	0.005	0.015	0.007	0.018	0.016
7	0.000		0.067	0.018	0.009	0.086	0.004	0.005	0.019	0.022	0.021	0.007
8	0.000		0.052	0.030	0.011	0.075	0.001	0.004	0.005	0.003	0.060	0.043
9	0.015	0.093	0.028	0.035	0.015	0.021	0.000	0.002	0.007	0.017	0.027	0.031
10	0.002	0.026	0.044	0.049	0.042	0.030	0.004	0.023	0.021	0.013	0.015	0.035
11	0.020	0.016	0.049	0.044	0.041	0.020		0.002	0.019	0.040	0.012	0.021
12	0.035	0.033	0.036	0.032	0.084	0.017			0.030	0.028	0.010	0.029
13	0.042	0.037	0.137	0.046	0.086	0.014	0.000		0.007	0.046	0.018	0.071
14	0.006	0.079	0.048	0.034	0.087	0.006	0.001	0.005	0.011	0.023	0.012	0.027
15	0.003	0.040	0.004	0.036	0.036	0.004	0.007	0.013	0.011	0.004	0.027	0.012
16	0.033	0.022	0.040	0.025	0.053	0.014	0.002	0.006	0.003	0.015	0.010	0.027
17	0.003	0.037	0.033	0.010	0.050	0.006	0.001	0.011	0.006	0.010	0.010	0.011
18	0.019	0.006	0.054	0.019	0.127	0.003	0.016	0.007	0.010	0.000	0.010	0.036
19	0.042	0.018	0.030	0.018	0.013	0.019	0.034	0.062	0.012	0.012	0.078	0.020
20	0.039	0.010	0.048	0.021	0.010	0.003	0.017	0.050	0.016	0.008	0.070	0.038
21	0.064	0.014	0.026	0.019	0.030	0.001	0.041	0.066	0.000	0.014	0.091	0.018
22	0.039	0.020	0.071	0.010	0.030	0.000	0.021	0.056	0.013	0.006	0.046	0.008
23	0.083	0.017	0.049	0.021	0.038	0.003	0.008	0.099	0.019	0.009	0.032	0.017
24	0.037	0.011	0.043	0.021	0.022	0.000	0.008	0.093	0.003	0.010	0.041	0.035
25	0.051	0.039	0.019	0.019	0.000	0.000	0.002	0.062		0.003	0.084	0.014
26	0.063	0.047	0.008	0.026	0.028	0.002	0.018	0.020	0.012	0.021	0.034	0.031
27	0.015	0.064	0.021	0.024	0.024	0.015	0.011	0.001	0.009	0.001	0.007	0.019
28	0.029	0.051	0.066	0.044	0.036	0.007	0.023		0.004	0.026	0.080	0.099
29			0.056	0.033	0.049	0.026	0.024	0.052	0.003	0.022	0.035	0.128
30	0.087		0.037	0.054	0.093	0.054	0.022		0.007	0.020	0.015	0.031
31	0.057		0.012		0.104		0.014			0.017		0.024
Monthly mean	0.027	0.037	0.052	0.028	0.040	0.037	0.014	0.025	0.011	0.018	0.029	0.031

WASHINGTON

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						0.002	0.012	0.035		0.011	0.066	0.084
2						0.004	0.011	0.031		0.024	0.037	0.105
3						0.000	0.013	0.014		0.031	0.065	0.042
4						0.000		0.019	0.022	0.017	0.043	0.096
5				0.053		0.003		0.026	0.046	0.029	0.035	0.125
6						0.003		0.025	0.023	0.019	0.071	0.114
7						0.003	0.028	0.050	0.027	0.032	0.077	0.082
8						0.017	0.023	0.036	0.027	0.013	0.092	0.093
9					0.039	0.025	0.020	0.032	0.015		0.116	0.103
10					0.046	0.044	0.030	0.022	0.016		0.130	0.042
11					0.056	0.029	0.040	0.018	0.035	0.037	0.073	0.040
12					0.060	0.046	0.036	0.017	0.062	0.067	0.047	0.070
13					0.081	0.048	0.028	0.022	0.069	0.093	0.059	0.113
14					0.082		0.036	0.028	0.061		0.065	0.117
15							0.029	0.045	0.022		0.059	0.064
16						0.024	0.033	0.037	0.024	0.058	0.070	0.053
17						0.027	0.062	0.014	0.037	0.045	0.078	0.090
18						0.033	0.062			0.028	0.059	0.088
19							0.044			0.025	0.049	0.070
20							0.023			0.053	0.050	0.064
21							0.022			0.056	0.069	0.068
22										0.064	0.092	0.035
23										0.098	0.051	0.039
24										0.088	0.077	0.057
25					0.007				0.047	0.038	0.070	0.067
26					0.018				0.019	0.047	0.089	0.054
27					0.016	0.015			0.021	0.065	0.079	0.073
28					0.031	0.011			0.009	0.040	0.070	0.080
29					0.037	0.010				0.069	0.087	0.060
30					0.026	0.010			0.008	0.101	0.077	0.082
31					0.024					0.132		
Monthly mean						0.017	0.03[illegible]	0.028	0.032	0.053	0.070	0.075

Table 6-11. TOTAL HYDROCARBONS, DAILY AVERAGES, 1967

(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.23	2.85	2.49	3.44	2.84	3.17	3.73	3.46	3.72	3.82	3.03	2.74
2	2.55	2.76	3.76	2.55	2.44	3.73	2.53		3.18	3.02	3.04	2.90
3	2.75	2.94	3.30	2.46	2.71	3.76	3.11	3.22	2.92	3.47	3.26	2.30
4	2.88	2.52	2.92	2.79	2.87	3.76	2.61	3.60	2.85	3.25	2.26	2.76
5	2.75	2.56	2.48	4.86	3.09	3.88	3.01	3.78	3.20	3.15	2.08	3.37
6	2.40	3.10	2.81	3.58	3.25	3.44	3.28	3.18	4.42	3.03	2.72	3.76
7	2.13	3.16	2.91	2.99	2.41	3.58	3.64	3.22	3.44	2.32	3.66	2.71
8	2.10	2.99	2.57	3.08	2.65	2.74	3.84	3.21	5.18	2.05	3.24	3.07
9	2.44	2.92	2.48	2.92	3.35	3.25	2.70	3.75	2.79	2.27	3.50	3.22
10	2.64	2.47	3.77	2.90	3.46	3.06	3.73	3.43	2.52	2.53	3.84	2.88
11	2.80	2.39		2.96	3.21	2.54	4.42	3.31	2.93	2.59	2.64	3.19
12	2.97	2.54		3.20	2.98	3.70	3.15		3.85	3.19	2.27	2.61
13	4.08	3.03	3.25	3.78	3.02	3.76	3.50		3.05	3.45	2.60	2.60
14	2.84		3.02	2.59	2.73	3.67	3.60		3.43	4.48	2.63	2.85
15	2.19	3.03	2.77	3.17	3.34	3.32	3.00	3.65	3.44	3.42	2.91	2.69
16	2.51	2.94	3.00	3.48	4.12	4.15	3.17	3.64	3.54	3.06	2.54	2.73
17	2.40	2.80	2.89	2.14	3.57	3.99	3.21	2.53	2.84	3.15	2.83	2.47
18	2.83	2.53	2.78	2.94	2.58	3.62	3.22		3.48	2.97	2.31	2.92
19	2.54	2.22	2.52	3.04	2.54	3.56	3.43	3.57	3.53	3.23	2.47	3.26
20	2.56	2.34	3.75	3.00	2.70	3.18	3.45	2.49	3.07	2.60	2.37	3.45
21	3.02	2.59	2.60	3.42	2.54	4.93	4.72	2.74	3.18	2.82	2.97	3.08
22	2.74	2.64	3.05	2.37	3.12	3.57	3.08	3.27	2.82	2.66	2.76	2.46
23	4.57	2.64	3.12	2.60	2.68	3.53	2.35	3.11	3.32	2.77	2.11	2.31
24		2.54	2.61	3.27	3.10	3.48	3.32	3.49	2.77	2.32	2.82	2.33
25	2.76		3.46	3.68	3.33	3.29	3.71	4.08	3.14	2.22	2.74	2.19
26	2.72		2.57	3.54	2.78	4.47	4.12		2.71	2.66	2.34	2.60
27	2.02		2.79	3.75	2.63	4.02			3.31	2.67	2.29	3.22
28	2.19	2.87	3.20	3.77	2.42	3.69	4.31	3.68	3.11	2.80	2.59	3.03
29	2.13		3.09	3.08	2.90	4.04	4.07	3.11	3.14	2.18	2.87	3.14
30	2.13		2.68	2.75	2.30	3.98	3.94	3.10	3.13	3.45	3.08	2.71
31	2.79		2.90		2.75			2.86		3.55		2.37
Monthly mean	2.63	2.72	2.94	3.15	2.91	3.63	3.44	3.29	3.27	2.94	2.75	2.83

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				2.00	2.03	1.82	2.40	2.66	2.09	2.35	2.61	2.82
2			2.04	2.03	1.96	1.98	1.84	2.40	2.56	2.59	2.41	
3			2.16	1.91	2.90	1.99	1.98	2.24	3.49	2.92	2.33	
4			2.14	2.19	2.83	1.91	2.05	2.27	3.61	2.89	2.10	2.86
5			2.58		3.01	3.08	3.27	2.45	3.46	2.58	2.27	3.69
6					2.38	2.54	2.06	3.26	3.21	2.49	2.29	3.04
7			1.95	2.13	2.21	2.14	2.09		3.65	2.42	2.58	
8			1.37	2.13	2.06	2.26	2.14		3.58	2.31	3.65	4.21
9			1.98	2.25	2.00	2.25	2.15		2.13	2.31	2.61	2.75
10			1.97	2.08	2.66	2.10	1.97		1.49	2.44	2.82	2.55
11			0.43	1.80	1.81	1.95	1.93		1.88	2.76	2.33	2.40
12			0.13	2.11	1.95	2.37	2.05		2.16	4.02	2.07	2.20
13			4.20	2.35	2.12	2.92	2.00		2.39	3.59	2.69	2.76
14				2.07	2.19	2.97	2.06		2.45	3.49		2.09
15			1.89	2.50	1.88	2.63	2.48		4.00	3.52	5.05	2.26
16			1.99	3.12	2.15	2.36	2.66		4.48	2.51	4.12	2.84
17			1.86	2.01	1.94	2.69	3.11	3.15	2.74	2.76	3.40	2.48
18			2.08	1.99	2.08	2.01	2.65		4.00	2.03	2.73	2.88
19			2.12	2.09	1.92	2.22	3.34		2.77	2.80	2.75	5.66
20			2.12	2.28	2.10	2.94	2.85		2.72	2.98	2.49	5.06
21				2.39	1.91	2.03	3.26	2.33	1.85	3.38	2.85	2.72
22				1.82	2.73	2.14	2.53	3.31	2.02	5.37	3.43	2.69
23			2.04	1.90	2.04	2.82	2.10	1.83	2.41	4.37	2.99	2.30
24			1.99	1.82	2.98	2.41	2.39	2.27	2.17	2.10	3.00	2.49
25			3.47	1.89	2.21	1.62	2.57			2.14	2.77	2.19
26			4.61	1.98	1.91	2.32	3.07	2.12		2.41	2.97	1.96
27			4.02	2.31		3.29	2.09	1.83	2.10	2.12	2.56	1.91
28			2.79	3.37	1.97	2.22	2.73	2.32	2.02	2.43	2.99	1.90
29			1.94	3.14	1.98	1.85	2.66	3.05	2.16	2.22	3.36	2.39
30			2.37	2.06	1.64	2.80	2.64	2.39	2.27	3.12	2.65	2.79
31			1.87		1.77		2.46	1.84		2.47		
Monthly mean			2.22	2.20	2.18	2.35	2.44	2.44	2.71	2.83	2.85	2.79

Table 6-11 (continued). TOTAL HYDROCARBONS, DAILY AVERAGES, 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.75	2.60	2.77	1.94	1.75	2.29	1.86	2.08	2.37	0.80	3.02	2.82
2		3.29		1.85	1.93	2.51		2.44	1.86		2.16	3.39
3		2.65	2.22	2.47	1.99	1.78	1.96	2.61	1.84		2.60	2.71
4		2.18	1.84	3.58	2.08	1.65	1.80	2.44	1.70		2.50	3.51
5		1.80	1.64	2.12	2.26	2.02	2.14	2.08	2.27		2.15	3.58
6		2.47	1.83	1.98	1.95	2.58	2.56	1.85	2.73		4.02	2.12
7		2.06		2.41	1.66	1.72	2.81	2.40	2.71	2.22	4.34	4.24
8		2.45		1.91	2.06	1.88	2.08	2.46	2.28	2.27	3.35	3.77
9		1.85	2.67	1.65	2.30	1.90	1.75	2.20			3.17	2.61
10	3.60	2.29	3.32	1.73	1.61	1.77	2.12	2.53	2.90	2.78	2.35	2.87
11	3.00	2.22	2.27	1.71	1.91	1.52	1.92	2.68	2.79	2.65	2.38	2.71
12	3.55	1.74	2.74	1.83	2.04	1.97		2.19	1.94	1.94	5.61	2.75
13	2.64	2.16	2.11	1.68	1.73	1.89	2.12	1.89	1.78	2.21	4.98	3.24
14	2.12	2.02	2.36	1.93	1.52	2.00	2.50	2.25	2.08			3.18
15	2.43	2.14	2.66	1.75	1.84	1.96		2.10	2.30	2.04		3.79
16	2.03	2.24	2.90	1.34	1.87	2.00		2.36	2.13	3.15	3.21	3.45
17	2.37	2.36	2.38	2.03	2.20	2.22	2.43	2.06	2.21	4.18	4.73	2.10
18	2.84	2.13	2.82	2.29	2.05	1.77	2.58	2.65	3.15	4.10	4.64	4.00
19	3.58	1.75	2.44	1.60	2.15	2.03	2.59		2.15	2.90	3.94	5.49
20	3.64	2.24	2.10	1.54	1.90	2.20	2.08	1.86	2.79	4.25	2.57	3.83
21	4.40	2.18	2.33	1.63	1.76	1.74	2.23		2.58	2.79	2.42	3.27
22	1.64	1.94	2.25	1.64	2.06	2.34	1.94	2.07	2.76	2.60	3.21	4.45
23	2.48	1.94	2.18	1.53	2.09	1.95	1.80	2.04	2.43	2.68	2.05	3.14
24	2.14	2.76	2.15	2.18		1.82	2.12	2.29	2.60	2.65	2.35	2.47
25	2.42	3.51	1.98	1.96	1.92	2.28	2.28	2.48	2.56	4.82	1.69	2.38
26	4.01	2.56	1.90	2.72	2.25	2.09	2.18	1.78	2.20	2.33	1.76	3.42
27	3.62	2.56	2.35	2.81	2.06	1.90	2.42	2.08	2.52	3.70	3.46	3.43
28	2.96	2.29	2.99	2.02	1.95	2.18	2.22	2.13	2.51	2.30	5.04	3.05
29	2.48		1.68	1.56	2.08	2.05		2.49	2.83	1.73	4.26	3.97
30	2.80		1.57	1.39	1.53	2.03		1.86	1.92	2.41	5.50	2.57
31	2.69		2.24		2.27			2.23		2.32		3.31
Monthly mean	2.86	2.30	2.32	1.96	1.96	2.00	2.19	2.23	2.38	2.75	3.36	3.26

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.55	2.62	1.81		2.69	2.35	2.16	2.34	1.98	2.59	2.95	2.21
2	2.88	2.31	2.84		2.36	2.69	2.08	2.62	1.86	3.50	1.94	2.51
3	4.74	1.82	2.66		1.98	2.44	2.08	2.16	1.90	4.20	2.61	1.81
4	3.62	2.14	2.11		2.13	2.28	2.04	2.04	2.09	4.13	2.23	1.85
5	2.11	1.61	2.11		2.71	2.41	2.03	1.89	2.24	3.48	1.74	2.57
6	2.20	1.67	2.31		2.26	3.05	2.38	1.71	2.24	2.00	1.94	2.72
7		1.29	1.89		1.94	2.53	2.39	2.39	3.19	2.18	1.73	2.65
8		1.48			2.44	2.71	2.03	1.72	3.27	2.15	1.80	2.82
9	2.44	2.08			2.19	2.77	2.21		2.91	2.41	3.56	3.84
10	3.01	1.93			2.25	2.78	2.81		2.49	2.65	2.96	2.50
11		1.75			2.48	2.45	2.46		2.56	2.40	3.00	3.05
12	2.37	1.36	1.93	1.98	1.98	2.86	2.23		2.99	2.45	2.20	3.31
13	3.41	1.94	2.32		2.30	2.44	2.54		3.73	2.53	1.72	3.10
14	2.77	3.10	2.30		2.16	2.12	2.62		3.55	2.38	2.01	2.89
15	2.07	3.24	2.12		2.59	2.70	2.28		2.41	2.71	1.87	1.85
16	1.78	2.41	1.64		1.93	2.75	2.66	2.81	2.13	2.61	2.23	1.51
17	2.52	2.43	1.71			2.26	3.19	3.12	2.34	3.65	2.94	2.11
18	1.74	2.08	1.68	2.01	2.71		3.23	2.83	3.14	2.33	2.82	3.48
19	2.91	2.82	1.89	1.63	2.67	2.01	2.30	2.26	2.80	2.09	1.90	2.72
20	2.86	2.48	2.72	1.87	1.79	1.80	2.01	2.18	3.06	2.34		4.09
21	2.75	1.98	2.57	2.39	1.47	2.09	2.40	2.32	2.19	2.78		4.71
22	3.45	2.13	1.97	2.38	1.82	2.43	2.51	2.61	1.95	2.56	3.34	2.14
23	3.63	2.59	2.54	1.89	1.72	2.62	2.59	2.55	2.32	3.07	1.95	1.36
24	6.16	1.90	1.92	2.03	1.89	2.43	2.28	3.03	2.91	3.43	2.24	1.55
25		1.72	1.78	1.99	1.64	2.15	2.35	3.60	2.34	2.44	2.82	1.72
26	3.51	1.70	1.93	2.32	2.07	1.83	1.93	3.58	3.45	2.43	4.48	1.52
27	2.27	2.14	1.89	2.12	2.45	2.55	2.81	2.39	2.52	3.11	3.55	2.03
28	1.53	2.10	2.32	1.87	2.59	2.56	2.18	2.30	2.21	2.08	2.26	2.55
29	1.47			2.00	2.92	2.13	2.20	2.45	2.18	2.26	2.28	1.45
30	1.68			2.49	2.02	2.18	2.12	3.59	2.24	3.40	2.43	1.82
31	2.01				2.20		2.99	2.61		3.14		2.08
Monthly mean	2.73	2.10	2.13		2.21	2.43	2.39	2.54	2.57	2.76	2.48	2.46

Table 6-12. TOTAL OXIDANTS, DAILY AVERAGES, 1967

(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.008		0.011		0.021	0.043	0.038	0.045	0.036		0.041	0.008
2	0.014		0.052		0.014	0.072		0.053	0.039		0.040	0.023
3	0.007		0.027		0.023	0.077		0.037	0.043		0.039	0.011
4	0.002			0.025	0.031	0.080		0.023	0.049	0.013	0.020	0.013
5	0.010			0.039	0.031			0.027	0.042	0.016	0.016	0.026
6	0.008		0.006	0.029	0.036	0.039	0.047	0.027	0.063	0.031	0.014	0.044
7	0.002		0.002		0.037	0.049	0.030	0.018	0.050	0.017	0.028	0.023
8	0.000		0.000		0.045		0.025	0.019	0.055	0.012	0.023	0.027
9	0.005		0.010		0.046			0.019	0.019	0.013	0.045	0.032
10	0.002		0.039		0.070	0.033		0.020	0.028	0.017	0.048	0.027
11	0.001		0.039	0.024	0.058	0.039	0.031	0.032	0.036	0.013	0.025	0.031
12	0.020		0.047	0.035	0.034	0.021	0.034	0.038	0.036	0.029	0.024	0.017
13	0.045			0.035	0.042	0.044	0.026	0.045	0.018	0.022		0.008
14	0.015			0.027			0.018	0.039	0.025	0.027	0.026	
15				0.038	0.028	0.040	0.024	0.029	0.029	0.018	0.013	
16				0.032	0.041	0.028		0.040	0.035	0.017	0.016	
17				0.018	0.020	0.028	0.042	0.032	0.052	0.032	0.031	
18		0.013		0.024	0.014	0.038	0.021	0.023		0.034	0.018	
19		0.023		0.031			0.032	0.020		0.043		
20				0.028	0.026	0.046	0.028	0.030	0.027	0.024		
21	0.034		0.044	0.039		0.035	0.052	0.032	0.020	0.032	0.030	
22	0.026	0.008	0.013	0.024		0.035	0.054	0.034	0.022	0.029	0.023	
23		0.006	0.007	0.033		0.043	0.036	0.037		0.037	0.002	
24	0.047	0.002	0.008		0.031	0.035		0.038		0.032		
25		0.000	0.019		0.035	0.060		0.040		0.022	0.017	
26			0.019	0.043			0.015	0.033		0.028	0.012	
27	0.011		0.024			0.044	0.022	0.027	0.023	0.028		
28	0.014	0.003	0.031	0.030		0.069	0.027	0.050	0.024	0.028	0.000	
29	0.022		0.035	0.027	0.044		0.042	0.032	0.019	0.025	0.003	
30			0.032		0.058	0.045	0.036	0.024		0.058	0.022	
31			0.029		0.051		0.035	0.032		0.048		
Monthly mean	0.014		0.024	0.031	0.037	0.044	0.033	0.032	0.035	0.027	0.023	

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.016	0.022	0.019	0.038	0.031		0.037	0.034	0.054	0.039	0.009	0.015
2		0.019	0.028	0.040	0.031		0.039		0.054		0.015	0.020
3		0.021	0.028	0.029	0.049	0.038		0.041	0.046	0.049		0.019
4		0.020	0.019	0.026	0.045	0.034		0.031	0.066	0.043		0.017
5		0.024	0.017		0.055				0.085	0.028	0.014	0.024
6		0.021	0.016	0.035	0.021				0.088	0.018		0.020
7		0.017	0.031	0.027	0.044				0.089	0.021		0.021
8		0.007	0.022	0.034			0.037		0.053	0.030		
9	0.013	0.013	0.026	0.054	0.045		0.036		0.035	0.015		
10	0.012	0.023	0.029	0.028	0.042		0.035		0.042	0.010		
11	0.009	0.019		0.034	0.054				0.034	0.012		
12	0.013	0.016	0.026	0.035	0.032		0.045		0.037	0.026		0.017
13	0.013		0.025	0.029	0.040	0.040			0.033	0.024		0.016
14			0.023	0.030	0.025	0.050	0.032		0.044	0.027		0.012
15			0.014	0.034	0.033	0.034	0.042			0.022		
16		0.022	0.022	0.042	0.043	0.044	0.066			0.027		
17		0.017	0.026	0.036	0.046	0.044	0.029		0.068	0.021	0.031	
18		0.016	0.020	0.025	0.048	0.044	0.045		0.018	0.023	0.023	
19		0.021	0.026	0.036		0.060	0.026		0.050		0.021	0.017
20		0.023	0.031	0.033	0.035	0.059			0.045		0.018	
21		0.021	0.022	0.031	0.043	0.032	0.055		0.036	0.020	0.026	
22	0.019	0.020		0.037	0.051	0.030	0.045	0.039	0.031		0.024	
23	0.019	0.025		0.028	0.066	0.025	0.027	0.036	0.045			
24	0.011	0.021	0.023	0.029	0.054	0.033	0.033	0.044	0.032		0.017	
25	0.020	0.014		0.033	0.074	0.025	0.041	0.020		0.014	0.023	
26	0.016	0.017		0.026	0.059		0.054	0.016		0.014	0.022	
27	0.018	0.023		0.037			0.031	0.023	0.024	0.013	0.018	0.011
28	0.020	0.028		0.078	0.069	0.033	0.032	0.036	0.016	0.001		0.016
29	0.018			0.041		0.050	0.042	0.040		0.013		0.017
30	0.022		0.032	0.042		0.055	0.051	0.039	0.044	0.013		0.016
31	0.021		0.038				0.045					
Monthly mean	0.016	0.020	0.024	0.036	0.045	0.042	0.040		0.047	0.022		

Table 6-12 (continued). TOTAL OXIDANTS, DAILY AVERAGES, 1967

(ppm)

DENVER

DATZ	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.021	0.022							0.056	0.025	0.027	0.017
2	0.021		0.024						0.049		0.024	0.015
3		0.029	0.020			0.021					0.027	0.010
4	0.018	0.030				0.026						
5	0.021	0.035		0.049		0.020					0.040	
6	0.027	0.015				0.028					0.028	0.020
7		0.022		0.043		0.038			0.037		0.024	0.001
8	0.014	0.016		0.045								0.012
9	0.019	0.032		0.044						0.034		0.014
10	0.027	0.031		0.058						0.032		0.009
11	0.019	0.025	0.034	0.043				0.084				0.016
12	0.015	0.029		0.037					0.035	0.042		0.015
13	0.023	0.025		0.032						0.030		0.005
14	0.025	0.031	0.019	0.036				0.089		0.030		
15	0.040	0.029	0.023	0.054				0.055		0.031		0.003
16	0.028	0.018	0.029	0.046								0.013
17	0.021	0.017		0.031	0.050					0.037		0.014
18		0.025	0.018					0.042	0.025	0.045	0.041	0.009
19					0.019				0.031	0.029	0.020	0.011
20		0.022							0.033		0.017	0.009
21	0.011	0.028							0.050	0.043	0.014	0.008
22	0.016	0.032						0.056	0.034	0.030	0.020	0.022
23		0.033							0.021	0.036	0.016	0.022
24		0.020		0.044					0.023		0.021	0.030
25		0.028		0.032				0.050	0.025		0.028	0.032
26		0.029						0.041	0.024	0.030	0.025	
27	0.036	0.022						0.039	0.033	0.031	0.014	0.018
28	0.030	0.023						0.048	0.020	0.026		0.023
29					0.051				0.032	0.030		0.025
30	0.023				0.044				0.025		0.021	0.014
31	0.022				0.028			0.033				0.008
Monthly mean	0.023	0.026							0.032	0.033	0.024	0.015

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.029	0.035		0.017			0.056	0.035		0.031	0.039	0.019
2		0.028				0.046	0.049	0.040	0.012	0.046	0.024	
3		0.022	0.029					0.029	0.014	0.042	0.031	
4		0.025	0.030		0.030			0.030			0.027	0.026
5		0.020	0.026		0.029			0.036			0.022	0.021
6	0.020	0.017	0.031		0.010		0.043	0.037			0.022	0.019
7	0.014	0.013	0.017		0.019		0.061	0.045	0.013	0.027	0.018	0.017
8	0.032		0.019	0.029	0.016		0.036	0.031	0.036	0.023	0.028	0.029
9	0.016	0.021	0.032	0.036	0.016		0.030		0.019	0.024	0.034	0.036
10	0.018	0.043	0.030	0.027			0.050	0.016	0.007	0.014	0.040	0.014
11	0.005	0.035	0.036	0.028	0.004		0.030	0.021	0.016	0.025	0.046	0.014
12		0.027	0.048	0.016			0.034	0.026	0.014	0.031	0.028	0.015
13			0.019	0.025			0.031	0.020		0.030	0.017	0.018
14	0.030		0.020	0.038			0.028	0.030		0.034	0.009	0.017
15	0.019		0.014	0.044	0.014	0.030		0.054	0.020	0.037	0.015	0.008
16	0.012	0.023	0.025	0.043		0.046	0.063	0.036	0.011	0.025	0.009	0.010
17	0.016	0.017	0.015	0.025		0.026	0.058	0.031	0.020	0.021	0.016	0.016
18	0.015	0.020	0.012	0.016	0.039	0.022	0.077	0.038	0.021	0.014	0.019	0.020
19			0.002		0.029	0.002		0.031	0.034	0.023	0.020	0.018
20	0.017	0.026	0.011	0.027	0.032	0.022		0.012	0.042	0.021	0.016	0.033
21	0.022	0.031	0.014	0.031	0.025	0.028		0.019		0.025	0.009	0.037
22	0.041	0.012	0.019	0.026			0.073	0.017		0.029	0.027	
23	0.035			0.029	0.048	0.033	0.041	0.012	0.015	0.033	0.013	0.011
24	0.057			0.017	0.022	0.073	0.033	0.003	0.011	0.032	0.020	
25	0.034	0.014	0.026	0.033	0.037	0.042	0.028	0.001	0.019	0.022		
26	0.037	0.030	0.015	0.023	0.030	0.039		0.007	0.029	0.032		0.011
27	0.019		0.018	0.036	0.042	0.049	0.059	0.013	0.013	0.034	0.028	0.002
28	0.013		0.013	0.034		0.049	0.031	0.016	0.011	0.026	0.019	0.007
29	0.017		0.011	0.036		0.031		0.018	0.013	0.033	0.016	0.028
30	0.006		0.015	0.042		0.007	0.040	0.011	0.024	0.039	0.021	0.006
31	0.009		0.030				0.038	0.019		0.043		0.011
Monthly mean	0.022	0.024	0.021	0.030	0.026	0.036	0.046	0.025	0.019	0.029	0.022	0.017

Table 6-12 (continued). TOTAL OXIDANTS, DAILY AVERAGES, 1967

(ppm)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		0.037	0.027		0.046	0.022	0.061	0.033		0.041	0.019	
2		0.032	0.025	0.027	0.047		0.044	0.038	0.043	0.032	0.017	0.011
3		0.027	0.018		0.049		0.027	0.036	0.051	0.031	0.017	
4		0.041	0.012	0.053	0.046		0.044	0.034		0.031	0.013	
5			0.010	0.042			0.029	0.046	0.072	0.021	0.020	
6				0.064		0.028	0.049	0.047	0.062	0.009	0.021	0.036
7			0.017	0.065	0.057	0.022	0.039	0.081	0.047	0.019	0.028	0.028
8		0.012	0.016	0.036	0.046	0.021	0.056		0.038	0.015	0.024	0.040
9		0.025	0.031	0.061			0.035		0.054	0.017	0.041	0.024
10		0.031	0.040	0.038	0.046				0.034			0.021
11		0.028	0.040	0.053	0.039		0.061	0.025	0.040	0.035		0.026
12		0.019	0.026	0.096	0.028		0.037	0.046	0.038	0.039	0.021	0.027
13	0.019	0.036	0.016		0.023	0.042	0.022	0.081	0.032	0.043	0.020	
14	0.031	0.032			0.043	0.043	0.028	0.062	0.031	0.050	0.027	0.023
15		0.040	0.015	0.050	0.040		0.047	0.058	0.021		0.030	0.015
16		0.020	0.018	0.044	0.043	0.039	0.045	0.058	0.020		0.036	0.012
17		0.023	0.020		0.040	0.044	0.041	0.059	0.027	0.032	0.036	0.019
18		0.024	0.040	0.035	0.026	0.060	0.037	0.038	0.012	0.026	0.027	0.037
19		0.041	0.055	0.037		0.060	0.048	0.030	0.021	0.039	0.028	0.029
20		0.034		0.055	0.017	0.036	0.047		0.020	0.037	0.035	0.031
21		0.027	0.042	0.044	0.047	0.017	0.038		0.027	0.042	0.045	0.021
22		0.024	0.028	0.054	0.046	0.038	0.041	0.065	0.021	0.041	0.022	0.014
23		0.020	0.046	0.041	0.045	0.060	0.039	0.033		0.053	0.023	0.013
24	0.041	0.018	0.041	0.050	0.056	0.030	0.039			0.032	0.037	0.016
25	0.027	0.008	0.046	0.061	0.076	0.038	0.047	0.047	0.039	0.024	0.026	0.016
26	0.017	0.019	0.036	0.032	0.037	0.060	0.058	0.068	0.027	0.030	0.029	0.011
27	0.035	0.029	0.050	0.054	0.038	0.049	0.021	0.041	0.009	0.024	0.021	
28	0.029	0.023	0.069	0.056	0.021	0.042	0.019	0.073	0.013	0.017	0.036	
29				0.045			0.043	0.069	0.026	0.025	0.019	0.022
30	0.040		0.032	0.037		0.088	0.050	0.031	0.030	0.032	0.021	0.024
31	0.039				0.030		0.048			0.024		
Monthly mean		0.027	0.031	0.065	0.040	0.040	0.042	0.048	0.033	0.031	0.026	0.023

WASHINGTON

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.013	0.068		0.032	0.038	0.047	0.050	0.050	0.027	0.022	0.033	0.003
2	0.016	0.022		0.054	0.022	0.065	0.043	0.039	0.033	0.031	0.020	0.006
3	0.015	0.014		0.030	0.023	0.045	0.038	0.029	0.038	0.034	0.021	0.008
4	0.009	0.024		0.024	0.026	0.041	0.037	0.031	0.035	0.037	0.012	0.007
5	0.003			0.019	0.030	0.042	0.031	0.034	0.041	0.032	0.013	
6	0.006	0.012		0.017	0.016	0.034	0.037	0.050	0.065	0.014	0.007	0.007
7	0.007	0.010		0.014	0.022	0.033	0.050	0.045	0.051	0.015	0.005	0.009
8	0.008	0.008	0.026	0.028	0.022	0.034	0.026	0.030	0.054	[illegible]	0.006	0.015
9	0.005	0.020	0.036		0.021	0.036	0.023	0.035	0.030	0.019	[illegible]	0.009
10	0.009	0.018	0.029		0.024		0.031	0.029	0.018	0.012		0.006
11	0.005				0.020		0.031	0.032	0.025	0.015		0.003
12	0.000	0.008			0.022		0.038	0.028	0.043	0.018		
13	0.000	0.012	0.020		0.015		0.043	0.029	0.051	0.021	0.009	0.020
14	0.000	0.015			0.010	0.027	0.027	0.034	0.061	0.027	0.008	
15	0.000	0.018			0.027	0.037	0.031	0.052	0.038	0.023	0.018	0.001
16	0.001	0.016	0.017		0.037	0.044	0.043	0.059	0.019	0.023	0.015	0.009
17	0.008	0.010	0.009		0.032	0.031	0.078	0.056	0.022	0.019	0.019	0.005
18	0.002	0.012	0.010	0.011	0.036		0.056	0.048	0.033	0.014	0.027	0.008
19	0.012	0.014	0.009		0.030		0.039	0.035	0.043	0.013	0.025	0.022
20	0.024	0.009	0.010		0.027	0.030	0.028	0.016	0.049	0.020	0.019	0.027
21	0.022	0.012	0.014	0.017	0.021	0.037	0.036	0.018	0.031	0.019	0.015	0.010
22		0.017		0.030	0.016	0.027	0.051	0.016	0.019	0.032	0.038	0.010
23	0.048	0.008	0.017	0.028	0.037	0.037	0.055	0.015	0.023	0.041	0.016	0.002
24	0.041	0.006	0.022	0.014	0.033	0.076	0.044	0.012	0.025	0.024	0.014	0.005
25	0.023		0.025	0.014	0.040	0.042	0.032	0.015	0.019	0.017	0.039	0.008
26	0.037		0.041	0.014	0.041	0.061	0.059	0.018	0.074	0.019	0.109	0.006
27	0.021		0.020	0.021	0.030	0.054	0.080	0.015	0.016	0.020	0.071	0.001
28	0.020		0.013	0.019		0.048	0.032	0.024	0.012	0.016	0.004	0.003
29	0.020		0.019	0.030	0.036	0.033	0.028	0.033	0.015	0.026	0.001	0.006
30	0.012		0.035	0.034	0.035	0.046	0.046	0.031	0.017	0.028	0.001	0.001
31	0.025		0.029		0.026		0.029	0.027		0.038		0.004
Monthly mean	0.013	0.014	0.021	0.024	0.028	0.043	0.040	0.032	0.032	0.023	0.022	0.007

Table 6-13. ALDEHYDES, 24-HOUR BUBBLER[a]

	Year	No. of samples	Concentration, µg/m3 [b]														Std geo dev[c]
			Min	Frequency distribution - percentile										Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90					
ALASKA FAIRBANKS SITE 01	67	5	0	0	0	2	2	3	3	4	4	12		12			
ARKANSAS EL DORADO SITE 01	67	4	4	4	4	11	11	11	16	16	20	20		20			
COLORADO DENVER SITE 02	67	8	0	0	0	2	4	4	4	5	8	21		21			
DELAWARE WILMINGTON SITE 01	67	11	0	7	13	21	22	31	36	36	41	49		67			
DC WASHINGTON SITE 02	67	12	0	1	3	4	5	5	8	8	9	10		11			
ILLINOIS CHICAGO SITE 02	67	13	1	1	2	3	8	10	11	18	19	23		25			
INDIANA EAST CHICAGO SITE 01	67	14	1	3	8	13	16	18	20	24	30	32		40			
INDIANAPOLIS SITE 01	67	14	2	2	7	11	12	12	15	18	20	26		35			
IOWA DES MOINES SITE 01	67	13	0	1	2	2	4	4	5	6	6	7		16			
MARYLAND BALTIMORE SITE 01	67	11	0	0	2	4	5	5	5	6	7	8		9			
MASSACHUSETTS BOSTON SITE 01	67	10	2	2	12	15	16	18	26	34	61	78		92			
MICHIGAN DETROIT SITE 01	67	11	1	2	4	4	13	27	29	33	41	52		54			
MINNESOTA MINNEAPOLIS SITE 01	67	9	0	0	2	6	7	8	9	10	11	19		19			
MISSOURI KANSAS CITY SITE 01	67	12	6	7	7	8	8	9	11	13	13	17		18			
ST. LOUIS SITE 01	67	15	1	3	14	17	24	36	37	55	57	68		92			
SITE 02	67	14	1	2	4	5	7	7	9	10	14	16		18			
NEW JERSEY CAMDEN SITE 01	67	10	1	1	3	4	4	10	13	13	25	30		39			
NEWARK SITE 01	67	13	5	9	9	11	15	18	19	24	27	64		91			
NEW YORK NEW YORK CITY SITE 01	67	9	1	1	3	6	7	12	19	19	20	22		22			
OHIO CINCINNATI SITE 03	67	18	0	1	2	7	9	11	12	15	15	18		21			
CLEVELAND SITE 01	67	15	0	0	1	3	3	5	8	9	10	13		15			
OKLAHOMA OKLAHOMA CITY SITE 01	67	12	17	18	37	54	74	78	94	100	108	146		161			
TULSA SITE 01	67	11	1	4	9	10	18	22	43	77	105	120		151			
OREGON PORTLAND SITE 01	67	4	0	0	0	1	1	1	2	2	2	2		2			

Table 6-13 (continued). ALDEHYDES, 24-HOUR BUBBLER[a]

	Year	No. of samples	Concentration, µg/m³ [b]													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
PENNSYLVANIA PHILADELPHIA SITE 02	67	10	0	0	0	1	2	7	7	11	13	20	27			
PITTSBURGH SITE 01	67	7	0	0	2	4	4	5	11	11	13	36	36			
TENNESSEE CHATTANOOGA SITE 01	67	11	0	0	2	2	4	5	5	8	8	10	11			
TEXAS EL PASO SITE 01	67	5	2	2	2	2	2	10	10	13	13	30	30			
PASADENA SITE 01	67	12	0	0	1	1	1	6	6	13	18	75	81			
UTAH SALT LAKE CITY SITE 01	67	10	0	0	0	2	3	4	9	9	14	14	19			
WASHINGTON SEATTLE SITE 01	67	11	0	0	0	1	2	2	3	4	7	9	50			
WEST VIRGINIA CHARLESTON SITE 01	67	15	1	7	13	14	16	24	26	64	72	77	85			

[a] The experimental network for evaluating aldehyde method was initiated during 1967, so the number of samples is too small to be representative of full year. Summaries are included as preliminary data to indicate general range of concentration to be expected.

[b] To convert from µg/m³ to ppm, multiply by 0.000843.

Table 6-14. NITROGEN DIOXIDE, 24-HOUR BUBBLER

	Year	No. of samples	Concentration, μg/m³ [a]													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA FAIRBANKS SITE 01	67	39	18	36	47	64	69	75	91	111	120	153	224	87	75	1.76
COLORADO DENVER SITE 02	67	23	56	69	82	108	121	134	140	163	177	188	205	132	124	1.46
CONNECTICUT HARTFORD SITE 01	67	24	50	109	127	143	159	168	179	200	254	270	624	205	178	1.69
NEW HAVEN SITE 01	67	26	46	72	86	128	156	164	178	188	215	318	478	177	152	1.80
DELAWARE NEWARK SITE 01	67	24	29	30	36	40	41	47	64	84	118	184	376	85	64	2.03
WILMINGTON SITE 01	67	23	49	108	117	120	140	152	153	232	265	315	352	180	163	1.60
DC WASHINGTON SITE 02	67	25	135	168	178	200	212	228	248	305	311	358	387	248	237	1.35
ILLINOIS CHICAGO SITE 02	67	26	163	172	189	221	241	260	292	334	341	351	460	271	260	1.34
INDIANA EAST CHICAGO SITE 01	67	24	58	75	91	107	125	128	177	183	203	229	388	153	139	1.57
EVANSVILLE SITE 01	67	26	23	35	40	46	52	67	76	106	117	171	218	82	69	1.82
INDIANAPOLIS SITE 01	67	24	36	48	57	66	84	98	112	117	123	142	186	96	88	1.54
IOWA DES MOINES SITE 01	67	26	30	51	56	64	85	90	104	116	138	155	168	96	87	1.57
DUBUQUE SITE 01	67	21	54	109	114	117	135	144	172	190	198	220	228	153	144	1.45
KENTUCKY COVINGTON SITE 01	67	26	34	56	119	149	151	155	168	178	192	217	561	165	145	1.73
MICHIGAN DETROIT SITE 01	67	26	46	91	145	153	177	182	200	206	239	288	345	188	175	1.53
MINNESOTA MINNEAPOLIS SITE 01	67	26	72	93	104	111	116	120	137	155	162	191	270	135	129	1.35
MISSOURI KANSAS CITY SITE 01	67	23	33	59	83	110	147	161	167	170	186	200	236	144	129	1.68
ST. LOUIS SITE 01	67	26	61	74	106	139	153	165	189	197	227	287	405	177	158	1.63
SITE 02	67	24	54	171	174	191	206	214	226	227	253	286	418	219	208	1.43
NEBRASKA OMAHA SITE 01	67	24	41	85	108	127	138	141	152	176	183	184	223	143	136	1.45
NEW JERSEY BURLINGTON COUNTY SITE 02	67	25	99	119	127	139	147	157	176	196	204	300	331	180	170	1.40
CAMDEN SITE 01	67	26	49	87	126	158	169	190	198	239	244	315	488	200	178	1.68
GLASSBORO SITE 01	67	26	70	95	97	113	118	122	132	152	161	205	243	133	128	1.34
JERSEY CITY SITE 01	67	24	34	134	153	184	197	219	236	269	372	429	473	246	217	1.76
NEWARK SITE 01	67	25	76	93	134	169	186	216	244	273	292	301	418	219	200	1.57

[a] To convert from μg/m³ to ppm, multiply by 0.000532.

Table 6-14 (continued). NITROGEN DIOXIDE, 24-HOUR BUBBLER

	Year	No. of samples	Concentration, μg/m³[a]													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
OHIO CINCINNATI SITE 03	67	24	52	100	125	139	149	154	167	175	187	248	348	163	151	1.51
CLEVELAND SITE 01	67	26	29	85	89	110	125	128	131	162	176	197	260	135	125	1.54
DAYTON SITE 01	67	26	28	30	34	42	46	48	53	62	66	93	268	60	52	1.64
YOUNGSTOWN SITE 01	67	25	100	113	122	144	146	159	164	167	205	238	266	165	159	1.30
OKLAHOMA OKLAHOMA CITY SITE 01	67	24	34	74	81	110	115	138	161	176	180	201	259	139	127	1.61
TULSA SITE 01	67	25	27	31	45	50	52	59	64	79	86	121	248	72	63	1.66
PENNSYLVANIA PHILADELPHIA SITE 02	67	23	90	129	171	182	200	205	221	295	358	364	436	236	218	1.50
PITTSBURGH SITE 01	67	24	39	58	81	106	121	133	163	175	187	215	297	141	127	1.64
WARMINSTER SITE 01	67	25	60	81	87	99	108	129	156	165	174	222	278	140	130	1.51
WEST CHESTER SITE 01	67	24	36	50	52	66	80	85	91	105	113	143	271	93	84	1.58
PUERTO RICO GUAYANILLA SITE 01	67	23	29	35	36	43	48	54	58	68	71	72	82	55	52	1.37
RHODE ISLAND PROVIDENCE SITE 01	67	21	26	36	45	63	72	78	108	128	141	151	196	93	80	1.81
TENNESSEE CHATTANOOGA SITE 01	67	24	41	43	58	112	122	126	157	167	182	201	459	144	121	1.84
NASHVILLE SITE 01	67	24	64	100	111	132	148	153	172	180	210	224	253	158	151	1.40
TEXAS EL PASO SITE 01	67	26	28	43	47	64	70	72	77	91	104	132	151	80	74	1.54
UTAH SALT LAKE CITY SITE 01	67	25	10	32	35	51	59	61	71	108	165	200	225	91	69	2.19
WASHINGTON SEATTLE SITE 01	67	23	11	26	28	48	72	86	109	125	166	174	245	98	75	2.28
WEST VIRGINIA CHARLESTON SITE 01	67	26	46	59	80	91	120	133	147	186	211	233	274	143	128	1.65
WISCONSIN MILWAUKEE SITE 01	67	26	96	128	136	140	152	165	182	195	206	247	323	175	169	1.31
WYOMING CASPER SITE 01	67	23	6	29	45	52	58	59	65	78	85	99	145	66	57	1.89

[a] To convert from μg/m³ to ppm, multiply by 0.000532.

Table 6-15. SULFUR DIOXIDE, 24-HOUR BUBBLER

	Year	No. of samples	Concentration, μg/m³ [a]													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
ALASKA FAIRBANKS SITE 01	67	41	2	4	4	4	5	6	7	8	9	11	107	9	6	1.97
COLORADO DENVER SITE 02	67	23	4	8	7	9	13	18	22	33	46	68	83	26	18	2.51
CONNECTICUT HARTFORD SITE 01	67	24	13	18	23	38	44	63	80	111	135	188	254	85	61	2.38
NEW HAVEN SITE 01	67	24	4	9	20	51	58	89	166	188	243	299	453	136	75	3.86
DELAWARE NEWARK SITE 01	67	22	2	4	4	4	5	7	11	21	39	41	64	17	9	2.92
WILMINGTON SITE 01	67	23	9	22	29	33	47	58	71	93	118	141	336	77	56	2.28
DC WASHINGTON SITE 02	67	25	15	24	26	43	47	69	84	94	125	175	243	84	63	2.21
ILLINOIS CHICAGO SITE 02	67	24	11	42	83	93	143	161	205	237	401	590	658	232	155	2.76
INDIANA EAST CHICAGO SITE 01	67	24	20	25	30	47	77	77	116	146	191	232	418	117	83	2.39
EVANSVILLE SITE 01	67	25	4	13	22	26	32	39	47	51	65	115	129	47	36	2.24
INDIANAPOLIS SITE 01	67	23	9	9	18	21	27	31	43	75	90	119	167	53	36	2.47
IOWA DES MOINES SITE 01	67	26	4	4	4	7	9	11	13	16	22	34	69	15	11	2.24
DUBUQUE SITE 01	67	22	2	4	5	7	8	10	12	13	25	32	165	19	11	2.56
KENTUCKY COVINGTON SITE 01	67	26	2	7	13	18	20	21	29	38	41	62	75	28	21	2.39
MICHIGAN DETROIT SITE 01	67	25	4	9	12	19	22	35	41	52	74	78	150	42	30	2.50
MINNESOTA MINNEAPOLIS SITE 01	67	25	7	7	7	11	13	18	28	43	58	122	290	47	24	3.06
MISSOURI KANSAS CITY SITE 01	67	25	4	4	5	7	7	11	11	14	18	27	43	13	10	1.93
ST. LOUIS SITE 01	67	24	7	18	30	50	69	72	87	100	124	151	294	97	64	2.40
SITE 02	67	25	26	32	40	61	69	83	94	100	102	163	207	88	76	1.74
NEBRASKA OMAHA SITE 01	67	25	4	7	7	9	9	11	14	18	26	67	68	20	14	2.25
NEW JERSEY BURLINGTON COUNTY SITE 02	67	24	7	14	27	31	42	43	62	63	99	130	147	57	43	2.32
CAMDEN SITE 01	67	26	23	44	61	84	89	107	147	177	182	290	493	139	110	2.04
GLASSBORO SITE 01	67	25	4	6	8	14	14	17	23	33	38	41	69	24	18	2.18
JERSEY CITY SITE 01	67	24	41	57	71	104	132	146	170	175	221	261	323	152	134	1.74
NEWARK SITE 01	67	26	18	23	39	46	69	78	88	177	226	299	427	129	85	2.56

[a] To convert from μg/m³ to ppm, multiply by 0.000382.

Table 6-15 (continued). SULFUR DIOXIDE, 24-HOUR BUBBLER

	Year	No. of samples	Concentration, μg/m³ [a]													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
NEW YORK NEW YORK CITY SITE 01	67	21	78	108	130	190	215	290	356	419	533	815	972	364	280	2.12
OHIO CINCINNATI SITE 03	67	24	16	22	23	26	28	35	42	47	50	68	131	41	36	1.65
CLEVELAND SITE 01	67	25	13	26	29	36	41	49	64	83	86	107	120	60	51	1.87
DAYTON SITE 01	67	25	2	4	5	7	7	9	9	11	18	88	109	22	11	2.88
YOUNGSTOWN SITE 01	67	25	17	24	29	34	35	38	49	63	72	131	194	58	48	1.83
OKLAHOMA OKLAHOMA CITY SITE 01	67	25	4	4	5	7	7	9	11	12	16	22	35	11	9	1.86
TULSA SITE 01	67	25	2	4	4	6	7	7	7	10	11	13	49	9	7	1.93
PENNSYLVANIA PHILADELPHIA SITE 02	67	25	15	20	53	59	71	77	91	96	177	299	452	116	82	2.38
PITTSBURGH SITE 01	67	23	20	32	44	53	60	60	64	69	81	101	164	66	60	1.59
WARMINSTER SITE 01	67	25	8	13	15	21	26	29	44	47	49	125	128	44	33	2.17
WEST CHESTER SITE 01	67	23	7	11	14	14	18	21	27	33	40	82	171	34	24	2.21
PUERTO RICO GUAYANILLA SITE 01	67	25	2	4	4	4	4	7	7	7	9	16	28	8	6	1.83
RHODE ISLAND PROVIDENCE SITE 01	67	22	3	4	5	6	9	11	24	40	61	91	203	39	17	3.65
TENNESSEE CHATTANOOGA SITE 01	67	24	4	5	7	7	7	11	22	32	38	89	139	30	16	2.92
NASHVILLE SITE 01	67	24	4	4	6	9	11	15	21	26	33	66	76	23	15	2.51
TEXAS EL PASO SITE 01	67	26	3	4	6	7	9	10	14	22	30	121	167	31	14	3.16
PASADENA SITE 01	67	22	4	4	5	7	11	12	16	18	20	29	95	18	12	2.27
UTAH SALT LAKE CITY SITE 01	67	26	2	4	7	7	9	11	12	23	26	34	66	17	12	2.38
WASHINGTON SEATTLE SITE 01	67	23	2	5	7	7	9	11	12	19	42	57	83	21	13	2.64
WEST VIRGINIA CHARLESTON SITE 01	67	26	4	6	12	14	18	20	25	35	41	60	153	31	21	2.41
WISCONSIN MILWAUKEE SITE 01	67	24	16	22	24	33	36	37	39	45	55	75	99	43	38	1.59
WYOMING CASPER SITE 01	67	25	4	5	7	9	11	14	18	25	35	53	113	25	16	2.48

[a] To convert from μg/m³ to ppm, multiply by 0.000382.

TABLE 6-16. FREQUENCY DISTRIBUTIONS OF HOURLY SULFUR DIOXIDES IN NEW YORK CITY IN 1967 [a]

(ppm)

SITE	% VALID DATA	MIN	10	30	50	70	90	95	98	99	MAX	ARIT MEAN	GEO MEAN	GEO STD DEV
12	53.0	0.01	0.05	0.08	0.11	0.16	0.26	0.34	0.45	0.51	0.95	0.14	0.11	1.92
13	51.3	0.01	0.05	0.08	0.10	0.14	0.21	0.26	0.34	0.39	0.93	0.12	0.10	1.75
14	99.9	0.00	0.05	0.08	0.13	0.18	0.31	0.40	0.54	0.64	1.13	0.16	0.12	2.19
22	55.8	0.01	0.05	0.07	0.11	0.15	0.24	0.29	0.36	0.48	0.84	0.13	0.11	1.87
23	50.1	0.01	0.06	0.10	0.14	0.20	0.30	0.36	0.46	0.51	1.14	0.17	0.13	1.97
24	56.7	0.01	0.04	0.06	0.08	0.13	0.22	0.28	0.35	0.40	0.62	0.12	0.09	1.99
26	58.8	0.01	0.05	0.09	0.13	0.18	0.27	0.34	0.43	0.50	1.12	0.16	0.12	1.94
27	58.7	0.01	0.04	0.07	0.10	0.15	0.24	0.30	0.37	0.42	0.81	0.13	0.10	1.92
28	59.7	0.01	0.05	0.07	0.08	0.10	0.14	0.16	0.20	0.22	0.42	0.09	0.08	1.47

---

[a] All sites mentioned above operated Wilson sequential samplers with the exception of site 14, which operated a Davis electroconductivity analyzer. At all sites except site 14, the chemical hydrogen peroxide method of analysis was employed.

Table 6-17. LEAD CANDLE SULFATION RATE, NATIONAL AIR SURVEILLANCE NETWORKS, 1967

(mg SO_3/100 cm^2-day)

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
Alaska													
Anchorage	0.06	0.09		0.07	0.07	0.15	0.11	0.08	0.00	0.19	0.36	0.00	0.11
Arizona													
Paradise Valley	0.17	0.15		0.06	0.05	0.19	0.14	0.12	0.00	0.06	0.06	0.00	0.09
Phoenix	0.22	0.10		0.09	0.11	0.16	0.12	0.00	0.00	0.31	0.22	0.00	0.12
Tucson	0.11	0.24	0.63	0.48	0.31	0.48	0.55	0.35	0.22	0.27	0.19	0.00	0.32
Arkansas													
Little Rock	0.10	0.08		0.12	0.12	0.53	0.50	0.36	0.05	0.05	0.00	0.08	0.18
Colorado													
Denver (CAMP)	0.29	0.22	0.20	0.14	0.16	0.15	0.15	0.19	0.14	0.20	0.18	0.12	0.18
Mesa Verde N P[a]	0.00	0.00		0.00	0.09	0.19	0.11	0.13	0.00	0.07	0.00	0.00	0.05
Delaware													
Kent County[a]	0.82	0.66	0.47	0.63	0.81	0.47	0.51	0.30	0.00	0.18	0.16	0.28	0.44
Washington, D.C. (CAMP)	1.79	1.43	1.47	1.28	0.70	0.77	0.55	0.45	0.39	0.82	0.31	0.28	0.85
Hawaii													
Honolulu	0.34	0.28		0.37	0.30	0.17	0.10	0.19	0.13	0.27	0.17	0.11	0.22
Idaho													
Boise	0.09	0.10	0.44	0.07	0.11	0.76	0.16	0.16	0.07		0.27	0.11	0.21
Illinois													
Chicago (CAMP)	5.93	5.48	4.91	2.94	2.00	1.88	1.33	1.02	1.44	1.98	0.91	2.00	2.65
Indiana													
Muncie					0.07	0.37	0.25	0.11	0.05	0.00	0.10	0.19	0.14
South Bend							0.19	0.15	0.10	0.17	0.13	0.26	0.17
Terre Haute				0.96	0.69	0.47	0.33		0.14	0.24	0.20	0.29	0.42
Iowa													
Dubuque	0.62	0.55	1.14	1.41	0.87	0.36		0.47	0.18	0.24	0.17	0.26	0.57
Kentucky													
Ashland	0.24	0.27	0.40	0.33	0.28	0.13	0.08	0.22	0.16	0.18	0.07	0.22	0.22
Louisville	1.78	1.43	1.17	1.04	1.04	1.17	1.49	0.52	0.17	0.30	0.23	0.27	0.88
Maryland													
Calvert County[a]	0.28	0.34	0.77	0.18	0.20	0.19	0.19	0.19	0.08	0.12	0.18	0.22	0.25
Michigan													
Grand Rapids	0.28	0.50		0.52	0.38	0.33	0.15	0.33	0.10	0.22	0.18	0.25	0.29
Minnesota													
St. Paul	0.72	1.21	1.03	0.82	0.48	0.80	0.45	0.60	0.07	0.21	0.12	0.28	0.57
Mississippi													
Jackson County[a]	0.05	0.05		0.05	0.11	0.20	0.16	0.09	0.00	0.13	0.00	0.05	0.08
Missouri													
St. Louis (CAMP)	1.76	1.49	2.04	1.75	1.39	0.61	1.26	1.64	1.14	1.32	0.90	0.28	1.30
Montana													
Helena	0.33	0.23	0.59	0.37	0.18	0.24	0.19	0.15	0.00	0.07	0.00	0.00	0.20
Nebraska													
Omaha	0.45	0.19	0.30	0.41	0.55	0.96	0.65	0.55	0.05	0.19	0.17	0.31	0.40
Nevada													
Las Vegas	0.07	0.07	0.57	0.07	0.05	0.20	0.14	0.12	0.00	0.05	0.00	0.00	0.11
White Pine County[a]	0.00	0.00		0.05	0.07	0.17	0.16	0.20	0.00	0.26	0.09	0.05	0.10
New Hampshire													
Concord	0.42	0.61	0.20	0.50	0.55	0.64	0.29	0.40	0.07	0.14	0.21	0.23	0.36
North Carolina													
Charlotte	0.13	0.55	0.63	0.39	0.79	1.03	0.74		0.00	0.16	0.11	-	0.45
Ohio													
Cincinnati (CAMP)	1.12	1.10	1.09	0.77	1.31	0.46	0.46	0.55	0.44	0.78	0.26	0.26	0.72

[a] Nonurban.

Table 6-17 (continued). LEAD CANDLE SULFATION RATE, NATIONAL AIR SURVEILLANCE NETWORKS, 1967 (mg SO_3/100 cm^2-day)

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
Oregon													
Eugene		0.10		0.21	0.07	0.15	0.09	0.13	0.00	0.14	0.11	0.12	0.11
Medford	0.07	0.10		0.10	0.09	0.16	0.16	0.17	0.00	0.00	0.00	0.00	0.08
Pennsylvania													
Altoona				0.73	0.62	0.18	0.19	0.23	0.24	0.29	0.24	0.30	0.34
Bethlehem	0.47	0.58	0.78	0.75	0.58	0.39	0.34	0.35	0.19	0.23	0.20		0.44
Johnstown	0.44	0.62		0.91	0.68	0.22	0.26	0.30	0.00	0.25	0.06	0.06	0.35
Lancaster	0.77	0.85	0.92	0.80	1.11	1.10	0.79	0.56	0.11	0.24	0.15		0.67
Philadelphia (CAMP)	2.61	2.00	2.49	2.29	2.37	2.10	1.64	1.44	1.07	1.30	0.55	0.21	1.67
South Carolina													
Columbia	0.36	0.14	0.20	0.11	0.15	0.18	0.14	0.11	0.00	0.07	0.19	0.15	0.15
Tennessee													
Knoxville	0.55	0.62		0.58	0.45	0.17	0.36	0.12	0.12	0.17	0.28	0.28	0.34
Memphis	0.16	0.28	0.26	0.31	0.35	0.16	0.65	0.52	0.00	0.00	0.09	0.17	0.25
Texas													
Houston	0.25	0.17		0.17	0.11	0.25	0.14	0.12	0.06	0.25	0.12	0.12	0.16
Vermont													
Burlington	0.98	0.77	0.75	0.82	0.34	0.42			0.09	0.19	0.10	0.21	0.47
Orange County	0.46	0.35		0.93	0.40	0.25	0.17	0.16	0.00	0.28	0.17	0.25	0.31
Virginia													
Shenandoah Park[a]	0.06	0.15	0.46	0.10	0.05	0.18	0.14	0.11	0.11	0.24	0.19	0.12	0.16
Richmond	0.39	0.59	0.95	0.61	0.54	0.43	0.20	0.42	0.15	0.29	0.18	0.27	0.42
Roanoke	0.25	0.46		0.25		0.14	0.13	0.07	0.00	0.17	0.11	0.25	0.18
Wyoming													
Cheyenne	0.05	0.00		0.10	0.05	0.16	0.18	0.18	0.06	0.71	0.20	0.00	0.15
Yellowstone Park[a]	0.00	0.06		0.00	0.10	0.20	0.15	0.15	0.08	0.06	0.06	0.00	0.08

[a] Nonurban.

Table 6-18. SOILING INDEX, DAILY AVERAGES, 1967

(Cohs/1000 lineal feet)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.74	1.13	1.85	1.24	1.07	0.64	0.64	0.90	0.82	1.68	1.21	1.78
2	2.62	2.06	2.96	0.90	1.08	1.10	0.48	1.12	0.51	0.93	1.18	1.10
3	2.31	2.04	2.18	0.92	1.32	0.96	0.62	1.07	0.44	0.93	1.40	1.13
4	3.11	1.80	0.84	1.45	0.78	1.03	0.41	0.60	0.55	0.89	1.14	1.48
5	2.03	1.18	1.55	2.42	0.79	1.07	0.49	0.89	0.56	0.59	0.85	1.92
6	1.73	1.13	2.09	1.74	0.70	0.97	0.62	0.68	1.28	0.59	1.60	2.23
7	1.98	1.60	1.98	1.03	0.67	0.98	0.70	0.58	0.94	0.84	2.07	1.22
8	1.54	2.24	1.80	1.87	1.20	0.53	1.07	0.55	1.69	0.64	1.59	1.31
9	1.85	2.00	1.66	0.83	1.60	0.77	0.58	0.81	0.47	1.11	1.64	0.77
10	2.05	1.26	2.13	0.94	1.48	0.48	0.90	0.59	0.23	1.27	1.60	0.62
11	2.70	1.26	1.92	0.76	1.37	0.39	1.35	0.53	0.28	1.41	1.04	1.45
12	2.68	2.52	0.78	0.83	0.78	0.66	0.73	0.83	1.04	2.13	0.85	1.54
13	3.10	2.46	1.84	1.27	0.90	0.44	0.77	0.91	0.81	1.57	1.31	1.27
14	1.70	2.09	1.42	0.70	0.83	0.67	0.75	0.99	1.18	2.06	1.24	1.45
15	1.45	1.53	1.73	0.88	1.53	0.56	0.49	0.84	0.95	1.35	1.59	1.57
16	2.12	2.70	2.01	1.15	1.61	0.61	0.67	0.84	0.90	0.89	1.15	1.88
17	2.02	1.98	1.86	0.66	1.40	0.26	0.83	0.55	0.56	0.98	1.70	1.60
18	3.17	2.30	1.86	0.90	0.99	0.12	0.92	0.59	0.84	0.99	1.16	1.46
19	2.41	1.85	1.72	0.68	0.77	0.14	0.67	0.73	1.09	1.38	1.17	1.72
20	2.01	1.79	2.47	1.27	0.70	0.27	0.65	0.55	0.88	0.85	1.22	2.26
21	2.06	1.74	1.64	1.33	0.68	0.14	1.35	0.61	0.79	1.17	1.92	1.32
22	1.60	1.81	1.98	0.89	0.72		0.66	0.50	0.52	1.47		1.32
23	1.99	2.15	1.52	0.68	1.30		0.48	0.50	1.06	1.09	0.94	1.29
24	1.72	2.08	1.04	1.51	1.23		0.75	0.53	0.83	0.86	1.49	1.60
25	1.54	2.29	1.99	1.70	1.19		0.84		1.19	1.02	1.39	1.59
26	0.91	1.77	1.45	1.61	0.94		1.24		0.71	1.36	1.18	2.01
27	1.52	2.47	1.11	1.30	0.53		0.82		0.81	1.38	1.18	2.39
28	2.12	1.77	1.17	1.59	0.41		0.58	1.00	0.75	1.59	1.48	1.71
29	1.29		1.04	1.20	0.70		1.13	0.84	1.35	1.37	1.96	2.15
30	0.82		1.21	0.84	0.46		0.76	0.58	1.32	1.61	1.23	1.37
31	2.30		1.00		0.61		0.81	0.55		1.03		1.23
Monthly mean	2.00	1.84	1.62	1.13	.93	.55	.71	.68	.79	1.13	1.31	1.49

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		3.06	1.61	0.82	0.94	0.51	1.10	1.01	0.57	0.73		1.00
2	2.29	1.41	1.65	0.55	1.13	0.76	0.41	0.73	0.71	1.35	1.05	1.36
3	3.39	1.40	1.75		1.46	0.63	0.50	0.73	1.09	1.57	0.84	1.06
4	1.75	1.60	1.74		1.22	0.67	0.58	0.46	1.23	1.32	0.50	2.18
5	1.64	1.84	2.42		1.84	1.20	1.35	0.42	1.25	1.10	0.53	2.05
6	2.11	1.35			0.91	1.07	0.58	0.94	1.39	0.68	0.88	1.90
7	1.41	1.95			0.72	0.81	0.67	0.87	2.00	0.76	1.26	0.94
8	1.15	3.18			0.85	0.86	0.55	0.81	1.79	0.72	2.52	1.52
9	2.14	2.59			0.80	0.97	0.66	0.62	0.91	0.81	1.35	0.81
10	1.90	2.01			1.60	0.90	0.65	0.43	0.46	0.80	1.33	1.00
11	1.83	1.11			0.79	1.05	0.55	0.69	0.49	1.22	0.87	1.00
12	2.57	1.44		0.73	0.89	1.19	0.76	0.59	0.73	2.52	0.49	0.86
13	2.78	2.46	2.13	1.01	1.07	1.36	0.68	0.93	0.90		1.10	1.21
14	1.44	1.98	2.30	0.76	1.09	1.72	0.51	1.39	1.05		0.75	0.86
15	1.02	1.48	1.33	0.63	1.10	1.29	0.91	1.37	1.69		0.81	0.87
16	2.18	1.18	0.73	1.43	1.13	1.07	0.88	1.23	1.88		1.29	1.18
17	1.18	1.60	0.72	0.59	0.75	1.54	1.81	1.24	1.29		1.21	1.44
18	1.72	2.47	0.83	0.68	0.86	0.76	1.19	0.75	1.62		0.63	1.09
19	2.59	2.38	0.86	0.80	0.73	0.99	1.41	0.42	1.06		0.62	1.93
20	2.48	2.03		0.84	0.59	1.47	1.08	0.49	1.14		0.85	1.87
21	2.10	1.84		0.82	0.54	0.88	1.03	0.98	0.53		1.50	0.81
22	1.75	2.33		0.37	1.38	0.75	0.58	1.23	0.76		1.41	0.49
23	1.61	2.19		0.53	0.58	1.42	0.34	0.54	0.76		0.75	0.84
24	1.55	1.78	0.99	0.96	1.56	1.29	0.58	0.71	0.59		1.62	1.16
25	1.51	1.49	1.69	0.87	1.06	0.51	0.48	0.62	1.80		0.97	0.76
26	1.97	2.15	1.92	1.10	0.89	0.99	1.03	0.47	1.43		0.84	0.75
27	1.14	2.32	1.82	1.25		1.64	0.74	0.30	0.63		0.64	0.92
28	1.00	1.14	1.48	1.84		0.98	0.61	0.58	0.87		0.96	1.18
29	1.63		0.79	1.79	0.74	0.56	0.60	0.96	1.02		1.54	1.49
30	1.34		1.32	1.03	0.34	1.16	0.89	0.81	0.88		1.00	1.42
31	2.58		1.22		0.56		0.62	0.39				1.20
Monthly mean	1.81	1.87	1.42	.88	.92	.98	.73	.71	1.03		1.00	1.15

Table 6-18 (continued). SOILING INDEX, DAILY AVERAGES, 1967

(Cohs/1000 lineal feet)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			1.31	0.82	0.62				1.02	0.47	1.16	1.03
2			1.37	0.71	0.64				0.60	1.09	1.39	1.31
3			0.99	0.87	0.70				0.71	1.34	1.39	0.99
4			0.86	1.37	0.77				0.37	0.76	1.04	1.47
5			0.81	1.02	0.72				0.87	1.10	0.77	1.65
6			1.12	0.72	0.63				1.07	0.65	1.38	1.11
7			1.18	0.94	0.60				0.98	0.65	1.34	2.19
8			1.80	0.66	0.86				0.64	0.68	1.37	1.47
9			1.29	0.48	0.90				0.68	0.97	0.92	0.68
10			1.46	0.62	0.56				0.65	0.96	1.06	0.79
11		0.68		0.54	0.71				0.72	0.94		0.90
12		0.56		0.57	0.78				0.65	1.03	1.97	1.00
13		0.71	0.77	0.88	0.63				0.56	0.50		1.47
14		0.58	0.95	0.84	0.40				0.76			1.38
15		0.65	1.05	0.67					1.10		1.48	1.90
16		0.84	1.26	0.40					0.60		0.99	1.55
17		1.01	0.99	0.81							1.65	0.85
18		0.99	1.27	0.97					0.46	1.15	1.55	2.00
19		0.60	0.80	0.71					0.34	0.92	1.21	2.37
20		1.07	0.69	0.63					0.46	1.87		1.42
21		1.00	0.88	0.68					0.42	1.10		1.28
22		0.72	0.80	0.71					1.22	0.68		1.94
23		0.67	0.88	0.56					0.73	1.08		1.38
24		1.18	0.77	1.04					0.88	0.75		0.58
25		1.61	0.62	0.82					0.96	1.64		0.63
26		0.98	0.65	0.94					0.51	0.65		2.68
27		0.93	0.72	1.02					1.00	1.25		1.33
28		0.74	1.17	0.58				0.78	0.86	0.80	2.21	1.26
29			0.55	0.56				0.83	1.08	0.72	2.12	1.93
30			0.51	0.23				0.40	0.79	0.85	2.07	1.53
31			1.03					0.73		0.95		1.76
Monthly mean		.81	.93	.70					.70	.90	1.36	1.36

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		0.80		0.77	0.55	0.39	0.46	0.66	0.31	0.65		0.99
2		1.46		0.90	0.31	0.63	0.34	0.78	0.36	1.19		0.94
3		0.85	1.65	0.79	0.28	0.38	0.40	0.43	0.36	1.55		0.70
4		1.67	1.00	0.46	0.30	0.60	0.55		0.43	1.22		0.98
5		1.16	1.01	0.95	0.71	0.86	0.43	0.42	0.73	1.02		1.37
6		1.49	1.32	1.16	0.60	0.54	0.79		0.91	0.58		1.34
7		1.42	0.95		0.42	0.55	0.59		0.94	0.57		0.84
8		1.46	1.30		0.73	0.36	0.55		1.09	0.50		0.95
9		2.60	1.50		0.58	0.45	0.38		0.54			1.51
10		2.30	1.69		0.41	0.62		0.65	0.49	0.84		0.31
11		1.78	1.47		0.68	0.43		0.55	0.66	0.78		0.51
12		0.80	0.72		0.38	0.64		0.41	1.28	0.74		1.84
13		2.18	0.87		0.56	0.66		0.56	1.48	0.99		1.53
14		2.58	0.83		0.51	0.32		0.83	1.01	0.78	1.59	1.26
15		2.45	0.52	0.78	0.50	0.48		1.30	0.47	0.80	1.13	0.88
16		1.14	0.40	0.57	0.47	0.51		1.33	0.27	0.69	0.78	1.52
17	0.50	1.68	0.53	0.77	0.66	0.31		1.18	0.55	1.15	1.33	2.33
18	0.26	1.60	0.36	0.46	0.57			0.79	1.01	0.45	1.15	1.58
19	0.69		0.59	0.22	0.56	0.27			1.01	0.62	0.72	1.17
20	0.72		1.15		0.36	0.35			1.00	0.77	1.15	1.24
21	0.77		0.90		0.17	0.50	0.61		0.43	0.86	0.97	1.65
22	0.57		0.61		0.40	0.72	0.57	0.61	0.44	0.80	1.46	0.56
23	1.08		1.10		0.47	0.77	0.51	0.70	0.48	1.19	0.46	0.32
24	1.24		0.61		0.29	0.79	0.39	0.63	0.63	1.18	0.66	0.79
25	1.00		0.43		0.22	0.44	0.37	0.77	0.56	0.61	0.69	0.94
26	1.03		0.57		0.43	0.45	0.27	0.85	0.82	0.82	1.01	0.93
27	0.40		0.51	0.44	0.33	0.78	0.63	0.42	0.42	1.06	1.02	0.97
28	0.24		0.70	0.30	0.39	0.76	0.86	0.48	0.38	0.58	0.72	1.01
29	0.27		0.79	0.37	0.49	0.49	0.63	0.55	0.43	0.55	1.08	0.98
30	0.41		0.81	0.51	0.23	0.57		0.75	0.49		1.13	1.18
31	0.54		0.79		0.32			0.38				1.94
Monthly mean		1.58	.85		.40	.48	.46	.65	.62	.78	.95	1.08

Table 6-18 (continued). SOILING INDEX, DAILY AVERAGES, 1967

(Cohs/1000 lineal feet)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			1.05	0.59	0.64	0.93	0.46	0.30	0.84	0.75	0.96	0.95
2			0.93	0.54	0.59	1.03	0.24	0.29	0.86	0.99	0.96	0.88
3			1.47	0.64	0.89	1.11	0.31	0.16	0.67	0.85	0.76	0.75
4			0.78	0.93	1.01	0.67	0.25	0.27	1.10	0.98	0.74	1.26
5			0.63	1.00	0.96	0.82	0.48	0.27	1.20	0.68	0.51	1.48
6			0.82	0.52	0.60	0.64	0.73	0.22	0.95	0.82	1.18	1.32
7			1.18	0.62	0.53	0.68	0.69	0.30	0.99	0.65	1.69	0.65
8			1.09	0.81	0.59	0.82	0.42	0.72	1.00	0.35	1.29	1.58
9			1.04	0.56	0.75	0.81	0.37	0.39	0.70		1.76	1.38
10			1.24	0.66	0.83	0.55	0.38	0.68	0.49		1.14	0.72
11			0.76	1.09	0.52	0.53	0.49	0.63	0.71		0.87	0.86
12			0.81	1.21	0.79	0.69	0.53	0.67	1.30		0.50	0.99
13			1.34	0.83	0.82	0.83	0.38	0.91	0.89		0.83	0.88
14			1.16	0.66	0.61	1.22	0.33	0.96	0.90		0.86	0.83
15			0.64	0.45	0.46	1.12	0.50	0.97	1.07		1.45	0.84
16		0.80	0.98	0.54	0.90	0.96	0.33	1.01	0.74		1.18	1.05
17		1.47	0.65	0.48	1.00	0.57	0.40	1.07	0.92	0.84	0.77	0.71
18		1.15	0.94	0.57	0.94	0.40	0.46	0.85	0.73	0.49	0.60	1.38
19		0.73	0.62	0.76	0.68	0.70	0.59	0.41	1.03	1.10	1.28	1.90
20		0.77	1.04	0.94	0.65	0.75	0.35	0.59	0.99	1.19	1.46	1.48
21		0.89	0.77	0.84	0.64	0.48	0.45		0.55	1.23	2.17	0.80
22		0.70	1.14	0.40	1.43	0.45	0.29		0.72		1.08	0.65
23		0.86	1.18	0.41	1.02	0.69	0.24		0.84	0.93	0.51	0.70
24		0.71	1.01	0.73	0.90	0.49	0.29		0.50	0.72	1.37	1.01
25		1.07	1.42	0.89	0.89	0.41	0.27		0.88	0.89	1.05	
26		0.58	0.54	0.73	0.77	0.95	0.34		0.90	1.39	1.10	1.53
27		1.17	0.71	1.01	0.54	0.72	0.39		0.49	0.64	0.90	0.97
28		0.81	1.15	1.31	0.50	0.54	0.29	0.90	0.52	0.89	1.43	1.26
29			1.21	0.55	0.65	1.02	0.33	1.02	0.96	0.57	1.63	2.08
30			0.91	0.41	0.48	0.82	0.20	0.84	0.64	1.21	1.10	1.22
31			0.71		1.09		0.20	0.63		1.20		1.11
Monthly mean			.92	.68	.71	.70	.33	.58	.79	.82	1.05	1.06

WASHINGTON, D. C.

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.15	2.94	0.68	0.73		1.00	0.44				1.54	1.77
2	1.10	1.19	1.10	0.86	0.99	0.86	0.31				1.37	2.66
3	1.33	0.99	1.14	0.63	0.64	0.68	0.21				1.34	1.58
4	1.25	1.16	1.13	0.47	0.72	0.39	0.26				1.01	1.76
5	1.03	0.78	1.68	0.98	0.68	0.70					0.77	3.62
6	1.17		1.43	1.09	0.64	0.48	0.61				1.16	2.93
7	1.08		0.80	0.67	0.39	0.43	0.32				1.12	2.51
8	0.89		1.14	0.45	0.91	0.56	0.25				1.41	3.13
9	1.18		1.15	0.56	0.63	0.43	0.31				2.18	2.36
10	1.46		1.15	0.63	0.73	0.45	0.56				2.94	0.96
11	0.73		0.94	0.37	1.14	0.28	0.35				1.69	1.08
12	1.06		0.72	0.47	0.46	0.76	0.23				0.97	1.78
13	1.48	1.07	0.65	0.66	0.73	0.32	0.21					4.08
14	1.15	1.27	0.79	0.87	0.69	0.30	0.29					2.77
15	0.87	0.82	0.58	0.55	0.74	0.34	0.23				0.98	1.47
16	0.90	0.63	0.61	0.72	0.68	0.31					1.18	1.14
17	0.90	1.37	0.80	0.68	1.16	0.35					1.73	2.44
18	0.98	1.05	0.56	0.47	0.84	0.25					1.32	2.37
19	1.17	0.90	0.49	0.46	0.81						0.80	2.17
20		1.04	0.87	0.83	0.60					1.18	1.06	2.51
21		0.91	0.95	1.20	0.39					0.98	1.60	2.08
22		0.82	0.89	0.46	0.74					1.28	2.05	1.40
23	1.32	0.90	0.84	0.29	0.73					1.99	0.97	1.68
24	1.36	0.93	0.75	0.67	0.83					1.75	1.40	1.09
25	1.15	0.70	0.66	0.73	0.56					0.82	1.34	1.68
26	1.31	0.60	0.84	1.22	0.60					1.25	2.47	1.28
27	0.82	1.08	0.50	0.62	0.55					1.44	1.83	1.61
28	0.45	0.80	0.66	0.70	0.60	0.35				0.85	1.23	1.80
29	0.59		0.57		0.68	0.32				1.49	1.78	1.25
30	0.76		0.61		0.43	0.32				2.20	2.02	1.66
31	1.71		0.68		0.69					2.56		1.54
Monthly mean	1.03	1.00	.80	.62	.65	.42					1.42	1.95

APPENDIX.

Air Quality Data Sampling Sites

APPENDIX.

AIR QUALITY DATA SAMPLING SITES

This appendix contains a listing of air quality data sampling station sites used to gather samples for the National Air Quality Data Bank. Each site in the list is described in terms of its state, county, city, number, street address, supporting agency, type, population class or topographic category, and height of sampler above ground level. The list is included to assist the reader in his understanding and knowledge of the entire sampling network.

The format used to describe sites, along with an explanation of its parts, is followed by the alphabetical listing of sites by state.

State				
City	Station address	Type[a]	County	
Site number	Supporting agency		Population class[b]	Height[c]

[a] The type of site is identified by one or more of the following symbols:

- C - Commercial
- I - Industrial
- R - Residential
- N - Nonurban
- S - Suburban
- * - Not defined

[b] Population class (urban stations) or topographic category (nonurban):

	Urban	Nonurban
Population class - 1	3,000,000 or more	
2	1 to 3,000,000	Atlantic Coast
3	700,000 to 1,000,000	Desert
4	400,000 to 700,000	Farmland
5	100,000 to 400,000	Forest
6	50,000 to 100,000	Great Lakes Coast
7	25,000 to 50,000	Gulf Coast
8	10,000 to 25,000	Mountain
9	Less than 10,000	Pacific Coast

[c] Height of the sampler above ground level, in feet.
(*-- indicates information not available)

Figure A-1. Site description format used by national air quality data bank.

```
ALABAMA
 BIRMINGHAM
  SITE 01      UNIV MED AND DENTAL BLDG, 619 SO 19TH ST  TYPE-  RC COUNTY-JEFFERSON
               JEFFERSON COUNTY HEALTH DEPARTMENT                             POP CL-5  40

 GADSDEN
  SITE 01      104 SOUTH 8TH STREET                      TYPE- IRC COUNTY-ETOWAH
               ETOWAH COUNTY HEALTH DEPARTMENT                                POP CL-6  25

 HUNTSVILLE
  SITE 01      ROOF OF HEALTH BLDG., 304 EUSTIS AVENUE   TYPE-  RC COUNTY-MADISON
               DEPARTMENT OF PUBLIC HEALTH                                    POP CL-6  32

 MOBILE
  SITE 01      CENTRAL FIRE STA, 701 ST FRANCIS ST       TYPE-  RC COUNTY-MOBILE
               MOBILE COUNTY BOARD OF HEALTH                                  POP CL-5  45

 MONTGOMERY
  SITE 01      COUNTY HLTH CENTER, 515 W JEFF DAVIS AVE  TYPE-  RC COUNTY-MONTGOMERY
               MONTGOMERY COUNTY HEALTH DEPARTMENT                            POP CL-5  40

ALASKA
 ANCHORAGE
  SITE 02      GR ANCHORAGE AREA HLTH DEPT 217 E ST      TYPE-   C
               GREATER ANCHORAGE AREA BOROUGH HEALTH DEPARTMENT               POP CL-7  19

  SITE 03      527 E 4TH                                 TYPE-(*)
               AGENCY NOT IDENTIFIED                                          POP CL-7 (*)

 FAIRBANKS
  SITE 01      FAIRBANKS POST OFFICE 3RD AND CUSHMAN     TYPE- IRC
               ARCTIC HEALTH RESEARCH LABORATORY                              POP CL-8   3

ARIZONA
 GRAND CANYON NAT PK
  SITE 01      VISITOR CENTER GRAND CANYON VILLAGE REG   TYPE-   N GRAND CANYON PARK
               NATIONAL PARK SERVICE                                          DESERT     4

 MARICOPA COUNTY
  SITE 01      8102 N MUMMY MTN ROAD, SCOTTSDALE, ARIZ   TYPE-   R COUNTY-MARICOPA
               MUMMY MTN ASTRONOMICAL OBSER + USWB PARADISE VALLEY STATION    POP CL-9   3

 PHOENIX
  SITE 02      CO HLTH DEPT BLDG 1825 E ROOSEVELT ST     TYPE-   R COUNTY-MARICOPA
               MARICOPA COUNTY HEALTH DEPARTMENT                              POP CL-4  15

 TUCSON
  SITE 01      UNIVERSITY OF ARIZONA MTN AVE + 2ND ST    TYPE-  RC COUNTY-PIMA
               DEPARTMENT OF CIVIL ENGINEERING, UNIVERSITY OF ARIZONA         POP CL-5   1

ARKANSAS
 EL DORADO
  SITE 01      POST OFFICE BLDG  MAIN + JACKSON          TYPE-   C COUNTY-UNION
               ARKANSAS POLLUTION CONTROL COMMISSION                          POP CL-7  80


 LITTLE ROCK
  SITE 01      POLICE AND COURTS BLDG-700 W MARKHAM      TYPE-   C COUNTY-PULASKI
               ARKANSAS POLLUTION CONTROL COMMISSION                          POP CL-5  40

 MONTGOMERY COUNTY
  SITE 01      FOREST RANGER STA, OUACHITA NATL FOREST   TYPE-   N OUACHITA NATL FOREST
               UNITED STATES FORESTRY SERVICE                                 FOREST     3

 WEST MEMPHIS
  SITE 01      FIRE STATION NO 1 SEVENTH + THOMPSON      TYPE-  RC COUNTY-CRITTENDEN
               ARKANSAS POLLUTION CONTROL COMMISSION                          POP CL-8  30

CALIFORNIA
 BAKERSFIELD
  SITE 01      1120 GOLDEN STATE AVENUE                  TYPE-   C COUNTY-KERN
               CALIFORNIA AIR RESOURCES BOARD KERN COUNTY AIR POLL. CONTRL DEPT POP CL-6   0

 BERKELEY
  SITE 01      HEARST AND WALNUT STS                     TYPE-  RC COUNTY-ALAMEDA
               STATE DEPARTMENT OF PUBLIC HEALTH                              POP CL-5  90

 BURBANK
  SITE 01      1508 BURBANK BOULEVARD                    TYPE-  RC COUNTY-LOS ANGELES
               LOS ANGELES AIR POLLUTION CONTROL DISTRICT                     POP CL-6   7

 GLENDALE
  SITE 01      ELEC. POWER SUBSTA., 145 N. HOWARD ST.    TYPE- IRC COUNTY-LOS ANGELES
               GLENDALE DEPT. OF PUBLIC SERVICE                               POP CL-5   5
```

NOT REPRODUCIBLE

NOT REPRODUCIBLE

```
HUMBOLDT COUNTY
 SITE 01      TRINIDAD LIGHT STATION                        TYPE-   N TRINIDAD LIGHT STATION
              UNITED STATES COAST GUARD                                               WEST CST   5

LONG BEACH
 SITE 01      CIYT HLTH DEPT BLDG, 2655 PINE AVENUE         TYPE-  RC COUNTY-LOS ANGELES
              CITY DEPARTMENT OF PUBLIC HEALTH                                       POP CL-5  25

LOS ANGELES
 SITE 01      LACAPCD HQ BLDG 434 S SAN PEDRO ST            TYPE-  IC COUNTY-LOS ANGELES
              L A COUNTY AIR POLLUTION CONTROL DISTRICT                              POP CL-2  80

MONTEREY
 SITE 01      PROFESSIONAL BLDG 451 MADISON STREET          TYPE-   R COUNTY-MONTEREY
              MONTEREY - SANTA CRUZ UNIFIED AIR POLLUTION CONTROL DISTRICT           POP CL-8  65

OAKLAND
 SITE 01      COUNTY HEADQUARTERS BLDG, 499 FIFTH ST        TYPE-  IC COUNTY-ALAMEDA
              ALAMEDA COUNTY HEALTH DEPARTMENT                                       POP CL-5  62

PASADENA
 SITE 01      862 EAST VILLA STREET                         TYPE-  RC COUNTY-LOS ANGELES
              L A COUNTY AIR POLLUTION CONTROL DISTRICT                              POP CL-5   5


REDDING
 SITE 01      COUNTY HEALTH DEPT BLDG 2650 HOSPITAL LE      TYPE-   S COUNTY-SHASTA
              SHASTA COUNTY HEALTH DEPARTMENT                                        POP CL-8   4

SALINAS
 SITE 01      COUNTY ROAD DEPT COMPLEX 312 E ALISAL ST      TYPE-   I COUNTY-MONTEREY
              MONTEREY-SANTA CRUZ UNIFIED AIR POLLUTION CONTROL DEPARTMENT           POP CL-7   3

SAN DIEGO
 SITE 01      CITY PUBLIC LIBRARY, 820  E  STREET           TYPE-   C COUNTY-SAN DIEGO
              COUNTY DEPARTMENT OF PUBLIC HEALTH                                     POP CL-4  42

SAN FRANCISCO
 SITE 01      HEALTH DEPT BUILDING 101 GROVE STREET         TYPE-   C COUNTY-SAN FRANCISCO
              SAN FRANCISCO HEALTH DEPARTMENT                                        POP CL-3  32

SAN JOSE
 SITE 01      COUNTY HEALTH CENTER, 2220 MOORPARK AVE       TYPE-  RC COUNTY-SANTA CLARA
              SANTA CLARA COUNTY HEALTH DEPARTMENT                                   POP CL-5  14

SANTA CRUZ
 SITE 01      SANTA CRUZ HOSPITAL BLDG 1080 EMELINE AVE     TYPE-   R COUNTY-SANTA CRUZ
              MONTEREY - SANTA CRUZ UNIFIED AIR POLLUTION CONTROL DISTRICT           POP CL-7   4

COLORADO
 ADAMS COUNTY
 SITE 01      EAST 72ND AVENUE                              TYPE-   I COUNTY-ADAMS
              TRI-COUNTY HEALTH DEPARTMENT                                           POP CL-9  15

ARVADA
 SITE 01      7622 GRANDVIEW AV.                            TYPE-   C COUNTY-JEFFERSON
              JEFFERSON COUNTY HEALTH DEPARTMENT                                     POP CL-8  15

AURORA
 SITE 01      1633 FLORENCE STREET                          TYPE-   R COUNTY-ADAMS
              TRI-COUNTY HEALTH DEPARTMENT                                           POP CL-7  20

BOULDER
 SITE 01      BOULDER COURTHOUSE 13TH + SPRUCE STREETS      TYPE-   C COUNTY-BOULDER
              COLORADO STATE HEALTH DEPARTMENT                                       POP CL-7  30

 SITE 02      BOULDER HEALTH DEPT BLDG 3450 BROADWAY        TYPE-   R COUNTY-BOULDER
              BOULDER HEALTH DEPARTMENT                                              POP CL-7  25

BROOMFIELD
 SITE 01      NO 8 GARDEN OFFICE CENTER                     TYPE-   C COUNTY-BOULDER
              BOULDER HEALTH DEPARTMENT                                              POP CL-9  20

COLORADO SPRINGS
 SITE 03      WEICKER TRANSFER 205 W RIO GRANDE STREET      TYPE-   I COUNTY-EL PASO
              COLORADO STATE HEALTH DEPARTMENT                                       POP CL-6  20

DENVER
 SITE 01      SCHOOL ADMINISTRATION BLDG 414 14TH ST        TYPE-   C COUNTY-DENVER
              COLORADO STATE HEALTH DEPARTMENT                                       POP CL-4  50


DENVER
 SITE 02      2105 BROADWAY                                 TYPE-   C COUNTY-DENVER
              CITY OF DENVER BUILDING DEPARTMENT                                     POP CL-4   9
 SITE 03     GATES MED + DENT BLDG 1000 S BROADWAY       TYPE-   I COUNTY-DENVER
             CITY OF DENVER BUILDING DEPARTMENT                                   POP CL-4  25

 SITE 04     SEWER PLANT EAST 51ST + FRANKLIN STS        TYPE-   I COUNTY-DENVER
             CITY OF DENVER BUILDING DEPARTMENT                                   POP CL-4  10

 SITE 05     NORTH HI SCHOOL 2960 NO SPEER BLVD          TYPE-   R COUNTY-DENVER
             CITY OF DENVER BUILDING DEPARTMENT                                   POP CL-4  35

 SITE 06     HULL PHOTO CO 5105 E 38TH AVENUE            TYPE-   C COUNTY-DENVER
             CITY OF DENVER BUILDING DEPARTMENT                                   POP CL-4  25

 SITE 07     COLO STATE HEALTH DEPT 4210 E 11TH AVENUE   TYPE-   R COUNTY-DENVER
             COLORADO STATE HEALTH DEPARTMENT                                     POP CL-4  45

DURANGO
 SITE 03     CENTRAL FIRE STATION 10TH ST + 2ND AVENUE   TYPE-   C COUNTY-LA PLATA
             COLORADO STATE HEALTH DEPARTMENT                                     POP CL-8  10

ENGLEWOOD
 SITE 01     4857 SOUTH BROADWAY                         TYPE-   C COUNTY-ARAPAHOE
             COLORADO STATE HEALTH DEPARTMENT                                     POP CL-7  20

FORT COLLINS
 SITE 01     CENTRAL FIRE HEADQUARTERS 238WALNUT ST      TYPE-   C COUNTY-LARIMER
             LARIMER COUNTY HEALTH DEPARTMENT                                     POP CL-7  30

GLENWOOD SPRINGS
 SITE 01     GARFIELD CO COURTHOUSE 8TH + COLORADO AVE   TYPE-   C COUNTY-GARFIELD
             COLORADO STATE HEALTH DEPARTMENT                                     POP CL-9  45

GOLDEN
 SITE 01     911 TENTH AVENUE                            TYPE-   I COUNTY-JEFFERSON
             JEFFERSON COUNTY  HEALTH DEPARTMENT                                  POP CL-9  20

GRAND JUNCTION
 SITE 03     MESA CO HLTH DEPT BLDG 515 PATTERSON AVE    TYPE-   S COUNTY-MESA
             COLORADO STATE HEALTH DEPARTMENT                                     POP CL-8   4

GREELEY
 SITE 01     CITY HALL 7TH STREET + 9TH AVENUE           TYPE-   C COUNTY-WELD
             WELD COUNTY HEALTH DEPARTMENT                                        POP CL-7  45

 SITE 02     FIRE STATION 2, 2300 + RESERVOIR ROAD       TYPE-   R COUNTY-WELD
             WELD COUNTY HEALTH DEPARTMENT                                        POP CL-7   4

LAKEWOOD
 SITE 01     260 SOUTH KIPLING STREET                    TYPE-   S COUNTY-JEFFERSON
             COLORADO STATE HEALTH DEPARTMENT                                     POP CL-8  15


LONGMONT
 SITE 01     CITY HALL 4TH + KIMBALL STREETS             TYPE-   C COUNTY-BOULDER
             BOULDER COUNTY HEALTH DEPARTMENT                                     POP CL-8  30

MANITOU SPRINGS
 SITE 01     MANITOU AVENUE + CENTRAL STREET             TYPE-   C COUNTY-EL PASO
             EL PASO COUNTY HEALTH DEPARTMENT                                     POP CL-9  30

MESA VERDE NATIONAL PK
 SITE 01     MESA VERDE NATIONAL PARK                    TYPE-   N MESA VERDE NATIONAL PARK
             NATIONAL PARK SERVICE                                                MOUNTAIN  21

MONTROSE
 SITE 01     38 SOUTH UNCOMPAGHRE STREET                 TYPE-   C COUNTY-MONTROSE
             COLORADO STATE HEALTH DEPARTMENT                                     POP CL-9  25

PUEBLO
 SITE 01     PUEBLO HLTH DEPT BLDG 151 CENTRAL MAIN      TYPE-   C COUNTY-PUEBLO
             COLORADO STATE HEALTH DEPARTMENT                                     POP CL-6  15

 SITE 02     SUNSET PARK FIRE STA PRAIRIE + SUMMITT      TYPE-   C COUNTY-PUEBLO
             PUEBLO HEALTH DEPARTMENT                                             POP CL-6   5

 SITE 03     MESA + EVANS FIRE STA EVANS + MESA ST       TYPE-   I COUNTY-PUEBLO
             COLORADO STATE HEALTH DEPARTMENT                                     POP CL-6  20

 SITE 04     FIRE STA CONFORT BLVE + LIBERTY LANE        TYPE-   R COUNTY-PUEBLO
             PUEBLO HEALTH DEPARTMENT                                             POP CL-6   5

 SITE 05     FIRE STATION #5 24TH + 6TH STS.             TYPE-   R COUNTY-PUEBLO
             PUEBLO HEALTH DEPARTMENT                                             POP CL-6   5
```

NOT REPRODUCIBLE

```
 SITE 06      FIRE STATION #2 7TH ST + SANTA FE AVENUE  TYPE-   I COUNTY-PUEBLO
              PUEBLO HEALTH DEPARTMENT                                         POP CL-6  20

STERLING
 SITE 01      SOUTH 3RD + ASH STREETS                   TYPE-   C COUNTY-LOGAN
              NORTHEAST COLORADO HEALTH DEPARTMENT                             POP CL-8  25

TRINIDAD
 SITE 01      COMMERCIAL FIRE STA COMMERCIAL + MAIN ST  TYPE-   C COUNTY-LAS ANIMAS
              LAS ANIMAS-HUERFANO DISTRICT HEALTH DEPT                          POP CL-8  40

CONNECTICUT
 BRIDGEPORT
  SITE 01     FIRE BUILDING, 274 MIDDLE STREET          TYPE-   C COUNTY-FAIRFIELD
              CONNECTICUT STATE DEPARTMENT OF HEALTH                           POP CL-5  55

 HARTFORD
  SITE 01     10 CLINTON ST (ROOF OF LAB DIV BLDG)      TYPE-   C COUNTY-HARTFORD
              CONNECTICUT STATE DEPT OF HEALTH LABORATORY DIVISION             POP CL-5  60

 NEW BRITAIN
  SITE 02     MIDDLE ATLANTIC TRANSP CO 976 WEST MAIN   TYPE-   C COUNTY-HARTFORD
              CONNECTICUT STATE DEPARTMENT OF HEALTH                           POP CL-6  25


 NEW HAVEN
  SITE 01     BULLARD BUILDING                          TYPE-  IC COUNTY-NEW HAVEN
              CITY DEPARTMENT OF PUBLIC HEALTH                                 POP CL-5  58

 STAMFORD
  SITE 01     CENTRAL FIRE STATION, 654 MAIN STREET     TYPE-   C COUNTY-FAIRFIELD
              CONNECTICUT STATE DEPARTMENT OF HEALTH                           POP CL-6  50

 WATERBURY
  SITE 01     CITY HALL, 235 GRAND STREET               TYPE-   C COUNTY-LITCHFIELD
              CONNECTICUT STATE DEPARTMENT OF HEALTH                           POP CL-5  55

DELAWARE
 KENT COUNTY
  SITE 01     HQ BLDG, BOMBAY HOOK NATL WILDLIFE REFUGE TYPE-   N BOMBAY HOOK NAT REFUGE
              AIR POLLUTION AUTHORITY, STATE BOARD OF HEALTH                   FARMLAND  11

 NEWARK
  SITE 01     INSECTORY, EXPERM. FARM 521 S. COLLEGE AV TYPE- IRC COUNTY-NEW CASTLE
              AIR POLLUTION AUTHORITY, STATE BOARD OF HEALTH                   POP CL-9  14

 WILMINGTON
  SITE 01     PUBLIC BUILDING, 1000 KING STREET         TYPE- IRC COUNTY-NEW CASTLE
              CITY DEPARTMENT OF HEALTH                                        POP CL-6  44

DC
 WASHINGTON
  SITE 01     MUNICIPAL BLDG 301 INDIANA AVE N W        TYPE-  RC COUNTY-DST OF COLUMBIA
              DISTRICT OF COLUMBIA DEPARTMENT OF PUBLIC HEALTH                 POP CL-3  85

  SITE 02     FIRST AND L STREETS, N.W.                 TYPE-   R COUNTY-DST OF COLUMBIA
              DISTRICT OF COLUMBIA DEPT OF PUBLIC HEALTH                       POP CL-3  10

FLORIDA
 APALACHICOLA
  SITE 01     FRANKLIN COUNTY MARINE LAB  NORTH 12TH ST TYPE-   R COUNTY-FRANKLIN
              FLORIDA STATE BOARD OF HEALTH                                    POP CL-9  12

 GAINESVILLE
  SITE 01     816 SOUTHWEST 4TH AVENUE                  TYPE-  RC COUNTY-ALACHUA
              FLORIDA STATE BOARD OF HEALTH                                    POP CL-7  15

 JACKSONVILLE
  SITE 03     135 RIVERSIDE AVE                         TYPE-   C COUNTY-DUVAL
              FLORIDA STATE BOARD OF HEALTH                                    POP CL-5  60

 MIAMI
  SITE 03     1320 N.W. 14TH ST                         TYPE-(*)  COUNTY-DADE
              AGENCY NOT IDENTIFIED                                            POP CL-5 (*)

 MONROE COUNTY
  SITE 01     LOWE'S POINT KEY LARGO                    TYPE-   N FLORIDA KEYS
              CAPTAIN EUGENE LOWE AND FLORIDA STATE BOARD OF HEALTH            EAST CST   6


 ORLANDO
  SITE 01     COUNTY HEALTH DEPT  832 W CENTRAL BLVD    TYPE-   C COUNTY-ORANGE
              FLORIDA STATE BOARD OF HEALTH                                    POP CL-6  30
```

NOT REPRODUCIBLE

```
TALLAHASSEE
 SITE 01      325 E GAINES STREET                          TYPE-(*)  COUNTY-LEON
              AGENCY NOT IDENTIFIED                                                  POP CL-7 (*)

WINTER HAVEN
 SITE 01      225 AVENUE D N W                             TYPE-  RC COUNTY-POLK
              FLORIDA STATE BOARD OF HEALTH                                          POP CL-8  15

GEORGIA
 ALBANY
  SITE 01     306 FLINT STREET                             TYPE-   C COUNTY-DOUGHERTY
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-6  12

 ATLANTA
  SITE 01     FULTON COUNTY HEALTH DEPT 99 BUTLER ST SE TYPE-  IC COUNTY-FULTON
              FULTON COUNTY HEALTH DEPARTMENT                                        POP CL-4  20

 AUGUSTA
  SITE 01     RICHMOND CO HEALTH DEPT* 1001 HATLIE DR     TYPE-  RC COUNTY-RICHMOND
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-6  18

 BRUNSWICK
  SITE 01     GLYNN CNTY HLTH DEPT, MANSFIELD STREET      TYPE-   C COUNTY-GLYNN
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-8   4

 COLUMBUS
  SITE 01     MUSCOGEE CITY HEALTH DEPT, 1958 8TH AVE     TYPE-  RC COUNTY-MUSCOGEE
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-5  25

 GAINESVILLE
  SITE 01     HALL CNTY HLTH DEPT., ENOTA DRIVE           TYPE-  RS COUNTY-HALL
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-8  20

 LYONS
  SITE 01     WASHINGTON AND GRADY STREETS                TYPE-   R COUNTY-TOOMBS
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-9  40

 MACON
  SITE 01     W T GRANT CO, 418 THIRD STREET              TYPE-   C COUNTY-BIBB
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-6  30

 ROME
  SITE 01     FLOYD HOSPITAL, 304 TURNER MCCALL BLVD      TYPE-   C COUNTY-FLOYD
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-7  55

 ROSSVILLE
  SITE 01     WALKER CNTY HLTH DEPT, 101 S DUKE ATREET    TYPE-  RC COUNTY-WALKER
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-9  20

 SAVANNAH
  SITE 01     CHATHAM CO COURT HOUSE BULL + BAY ST        TYPE-   C COUNTY-CHATHAM
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-5  55

 VALDOSTA
  SITE 01     108 EAST CENTRAL AVENUE                     TYPE-   C COUNTY-LAWNDES
              GEORGIA DEPARTMENT OF PUBLIC HEALTH                                    POP CL-7  30

HAWAII
 HONOLULU
  SITE 01     STATE DEPT HLTH BLDG, 1250 PUNCH BOWL ST    TYPE-  RC COUNTY-HONOLULU
              STATE DEPARTMENT OF HEALTH                                             POP CL-5  40

 KAHALUU
  SITE 02     NO SITE ADDRESS                             TYPE-(*)  NO SITE ADDRESS
              STATE DEPARTMENT OF HEALTH                                             WEST CST (*)

IDAHO
 BOISE
  SITE 01     CENTRAL FIRE STATION, SIXTH AND IDAHO STS TYPE-   C COUNTY-ADA
              CITY-COUNTY HEALTH DEPARTMENT                                          POP CL-7  50

 BUTTE COUNTY
  SITE 01     H Q AREA, CRATERS OF THE MOON NATL MON      TYPE-   N CRATERS OF MOON NAT PK
              NATIONAL PARK SERVICE                                                  DESERT     6

ILLINOIS
 BLUE ISLAND
  SITE 01     EISENHOWER H S 12700 SACRAMENTO AVE         TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                               POP CL-8  43

 CALUMET CITY
  SITE 01     THORNTON HIGH SCHOOL, 755 PULASKI ROAD      TYPE-   R COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                               POP CL-7  26
```

```
CHICAGO
 SITE 01      CITY OFFICE BLDG 320 NORTH CLARK STREET   TYPE-   C COUNTY-COOK
              CHICAGO DEPARTMENT OF AIR POLLUTION CONTROL                      POP CL-1 100

 SITE 02      445 SOUTH PLYMOUTH COURT                  TYPE-   C COUNTY-COOK
              CHICAGO DEPT OF AIR POLLUTION CONTROL                            POP CL-1  12

CHICAGO HEIGHTS
 SITE 01      BLOOM H S, DIXIE HIGHWAY AND 10TH ST      TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-7  32

CICERO
 SITE 01      ROOSEVELT SCHOOL, 15TH ST AND 50TH AVE    TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-6  34

COOK COUNTY
 SITE 01      ARGO HIGH SCHOOL, 63RD ST AND 74TH AVE    TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-9  32

ILLINOIS
EAST ST LOUIS
 SITE 01      FIRST FEDERAL BLDG 435 MISSOURI AVE       TYPE-   C COUNTY-ST CLAIR
              EAST SIDE HEALTH DISTRICT                                        POP CL-6  65

FLOSSMOOR
 SITE 01      HIGH SCHOOL, 999 KEDZIE AVE + 189TH ST    TYPE-   R COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-9  30

FRANKLIN PARK
 SITE 01      E LEYDEN H S, 3400 NORTH ROSE + ADDISON   TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-8  28

HARVEY
 SITE 01      LOWELL ELEM SCH, 157TH ST AND LEXINGTON   TYPE-   R COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-7  23

HILLSIDE
 SITE 01      PROVISO W HIGH SCH, WOLF AND HARRISON     TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-9  30

JOLIET
 SITE 01      S E VAN BUREN ST, RIALTO THEATRE BLDG     TYPE-   C COUNTY-WILL
              WILL COUNTY HEALTH DEPARTMENT                                    POP CL-6 100

MIDLOTHIAN
 SITE 01      BREMEN TWNSHP H S, 15205 CRAWFORD         TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-8  26

NILES
 SITE 01      E MAINE JR HIGH, 8955 GREENWOOD AVE       TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-7  20

ORLAND PARK
 SITE 01      C SANDBURG H S, 133RD ST AND LAGRANGE     TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-9  20

PALATINE
 SITE 01      PALATINE TWNSHP H S, 1000 QUENTIN RD      TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-8  24

RIVER FOREST
 SITE 01      JR HIGH SCH, N E CORNER LATHROP + OAK     TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                         POP CL-8  28

ROCKFORD
 SITE 01      OLD CITY HALL, 126 SOUTH FIRST ST          TYPE- IRC COUNTY-WINNEBAGO
              CITY DEPARTMENT OF PUBLIC HEALTH                                  POP CL-5  30

SPRINGFIELD
 SITE 01      212 SOUTH SECOND                           TYPE-   C COUNTY-SANGAMON
              DEPARTMENT OF PUBLIC HEALTH  + SAFETY                             POP CL-6  20

WILMETTE
 SITE 01      CENTRAL SCHOOL, N W CORNER 9TH + CENTRAL  TYPE-  IR COUNTY-COOK
              COOK COUNTY AIR POLLUTION CONTROL BUREAU                          POP CL-8  24

INDIANA
EAST CHICAGO
 SITE 01      CENTRAL FIRE STATION, 450 E COLUMBUS DR   TYPE-   I COUNTY-LAKE
              CITY BUREAU OF AIR POLLUTION CONTROL                              POP CL-6  35

EVANSVILLE
 SITE 02      1045 W PENNSYLVANIA STREET                 TYPE- IRC COUNTY-VANDERBURGH
              SMOKE ABATEMENT DEPARTMENT                                        POP CL-5  35
```

```
HAMMOND
 SITE 01     GOLDBLATT BROS DEPT STORE, 5206 HOHMAN AV TYPE-  RC COUNTY-LAKE
             CITY HEALTH DEPARTMENT                                          POP CL-5  55

INDIANAPOLIS
 SITE 01     FIRE STATION NO. 301 EAST NEW YORK ST      TYPE-   C COUNTY-MARION
             CITY BUREAU OF AIR POLLUTION CONTROL                            POP CL-4  35

MONROE COUNTY
 SITE 01     MARTINSVILLE, INDIANA, RT 3 POILING CABN  TYPE-   N M MONROE STATE FOREST
             AIR POLL CONT SECT, DIV SAN ENG, IND ST BOARD OF HEALTH         FARMLAND   5

MUNCIE
 SITE 01     213 EASTE WASHINGTON STREET POLICE GARAGE TYPE-   C COUNTY-DELAWARE
             CITY OF MUNCIE                                                  POP CL-6  50

PARKE COUNTY
 SITE 01     TURKEY RUN STATE PARK                      TYPE-   N TURKEY RUN STATE PARK
             STATE DEPARTMENT OF CONSERVATION                                FARMLAND   7

SOUTH BEND
 SITE 01     PICK OLIVER HOTEL, WASH AND MAIN ST        TYPE-   C COUNTY-ST JOSEPH
             CITY DEPARTMENT OF ENGINEERING                                  POP CL-5  80

TERRE HAUTE
 SITE 01     FIRE ENGINE HOUSE, 19TH AND WABASH STS     TYPE-   I COUNTY-VIGO
             CITY DEPARTMENT OF SMOKE SUPERVISION AND INSPECTION             POP CL-6   2

IOWA
 CEDAR RAPIDS
 SITE 01     CENTRAL FIRE STATION 427 1ST ST S E        TYPE- IRC COUNTY-LINN
             DEPARTMENT OF PUBLIC HEALTH                                     POP CL-6  32

 DAVENPORT
 SITE 01     FIRE STATION, 331 SCOTT                    TYPE- IRC COUNTY-SCOTT
             CITY BOARD OF HEALTH                                            POP CL-6  30

 DELAWARE COUNTY
 SITE 01     FISH HATCHERY BACKBONE STATE PARK          TYPE-   N BACKBONE STATE PARK
             STATE CONSERVATION COMMISSION                                   FARMLAND   3

 DES MOINES
 SITE 01     CENTRAL FIRE STA. NO 1 9TH AND MUL STS     TYPE- IRC COUNTY-POLK
             DES MOINES-POLK COUNTY HEALTH DEPARTMENT                        POP CL-5  32


 DUBUQUE
  SITE 01     CITY GARAGE  18TH AND ELM STS              TYPE-  IC COUNTY-DUBUQUE
              CITY OF DUBUQUE                                                 POP CL-6  21

KANSAS
 KANSAS CITY
  SITE 01     FIRE HEADQUARTERS, SIXTH + ANN AVENUES     TYPE-   C COUNTY-WYANDOTTE
              KANSAS CITY-WYANDOTTE COUNTY HEALTH DEPARTMENT                  POP CL-5  34

 TOPEKA
  SITE 01     CITY BUILDING, 215 EAST SEVENTH STREET     TYPE- IRC COUNTY-SHAWNEE
              TOPEKA-SHAWNEE COUNTY HEALTH DEPARTMENT                         POP CL-5  62

 WICHITA
  SITE 01     FIRE STATION NO 1, 402 NORTH WATER ST      TYPE-   C COUNTY-SEDGWICK
              WICHITA-SEDGWICK COUNTY DEPARTMENT OF PUBLIC HEALTH             POP CL-5  35

KENTUCKY
 ASHLAND
  SITE 01     KENTUCKY POWER CO, 340 - 15TH STREET       TYPE-   C COUNTY-BOYD
              ASHLAND - BOYD COUNTY HEALTH DEPARTMENT                         POP CL-7  52

 COVINGTON
  SITE 01     US POST OFFICE-SOUTHWEST 7TH + SCOTT       TYPE- IRC COUNTY-KENTON
              COVINGTON-KENTON HEALTH DEPARTMENT                              POP CL-6  42

 LEXINGTON
  SITE 01     COLL OF PHARMACY, COR OF WASH AND GLAD     TYPE-  RC COUNTY-FAYETTE
              UNIVERSITY COLLEGE OF PHARMACY                                  POP CL-6  41

 LOUISVILLE
  SITE 01     CITY POLICE HQ 633 W JEFFERSON ST          TYPE-   C COUNTY-JEFFERSON
              JEFFERSON COUNTY AIR POLLUTION CONTROL DISTRICT                 POP CL-5  35

LOUISIANA
 NEW ORLEANS
  SITE 02     CIVIL COURTS BLDG ROOF 427 LOYOLA AVE      TYPE-   C COUNTY-ORLEANS
              LOUISIANA STATE BOARD OF HEALTH                                 POP CL-4  72
```

```
MAINE
 ACADIA NATIONAL PARK
  SITE 01      SEAWALL AREA OF PARK                          TYPE-   N ACADIA NATIONAL PARK
               NATIONAL PARK SERVICE                                            EAST CST  15

MARYLAND
 BALTIMORE
  SITE 01      FIRE DEPT HQ BLDG, 410 E LEXINGTON ST         TYPE-   C COUNTY-BALTIMORE CITY
               CITY HEALTH DEPARTMENT                                           POP CL-3  32

 CALVERT COUNTY
  SITE 01      SOLOMONS ISLAND                               TYPE-   N SOLOMONS ISLAND
               MARYLAND STATE DEPARTMENT OF HEALTH                              FARMLAND  10

MASSACHUSETTS
 BOSTON
  SITE 01      FORD BLDG 15 ASHBURTON PLACE                  TYPE-  RC COUNTY-SUFFOLK
               DEPARTMENT OF PUBLIC HEALTH  DIVISION OF AIR USE MANAGEMENT      POP CL-4 100

 BROCKTON
  SITE 02      PAINE SCHOOL, CRESENT STREET                  TYPE-  RC COUNTY-PLYMOUTH
               CITY DEPARTMENT OF PUBLIC HEALTH                                 POP CL-6  40

 LAWRENCE
  SITE 01      LAWRENCE EXPERIMENT STAT  37 SHATTUCK ST      TYPE-   R COUNTY-ESSEX
               MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH                        POP CL-6  55

 LYNN
  SITE 01      CITY HALL, CITY HALL SQUARE                   TYPE-  RC COUNTY-ESSEX
               CITY DEPARTMENT OF PUBLIC HEALTH                                 POP CL-6  75

 NEW BEDFORD
  SITE 01      MUNICIPAL BUILDING 133 WILLIAMS STREET        TYPE-   C COUNTY-BRISTOL
               MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH                        POP CL-5  50

 QUINCY
  SITE 01      HEALTH DEPARTMENT BLDG 1120 HANOCK ST         TYPE-  RC COUNTY-NORFOLK
               CITY DEPARTMENT OF PUBLIC HEALTH                                 POP CL-6  50

 SPRINGFIELD
  SITE 01      MUNICIPAL HOSPITAL, 1414 STATE STREET         TYPE-   R COUNTY-HAMPDEN
               CITY DEPARTMENT OF PUBLIC HEALTH                                 POP CL-5  60

MICHIGAN
 DETROIT
  SITE 01      PUBLIC LIBRARY 5201 WOODWARD AVENUE           TYPE-   C COUNTY-WAYNE
               CITY BUREAU OF AIR POLLUTION CONTROL                             POP CL-2  90

 FLINT
  SITE 01      FIRE STATION ROOF DETROIT ST AND 4TH AVE  TYPE-   C COUNTY-GENESEE
               CITY DEPARTMENT OF PUBLIC WORKS AND UTILITIES                    POP CL-5  50

 GRAND RAPIDS
  SITE 01      MICHIGAN TITLE COMPANY 320 OTTAWA AVENUE  TYPE-IRC  COUNTY-KENT
               CITY DEPARTMENT OF AIR POLLUTION                                 POP CL-5  25

MINNESOTA
 DULUTH
  SITE 01      CITY HALL, FOURTH AVE, WEST AND FIRST ST  TYPE- IRC COUNTY-ST LOUIS
               CITY DEPARTMENT OF PUBLIC HEALTH                                 POP CL-5  63

 MINNEAPOLIS
  SITE 01      U OF M ST BD OF HLTH BLDG 417 17TH AVE SE TYPE-  IC COUNTY-HENNEPIN
               CITY OF MINNEAPOLIS AIR POLLUTION CONTROL DIVISION               POP CL-4  64

 MOORHEAD
  SITE 01      OLD POST OFFICE BLDG 521 MAIN AVENUE          TYPE-   C COUNTY-CLAY
               CITY OF MOORHEAD                                                 POP CL-8  28

 ST PAUL
  SITE 01      PUBLIC UTILITIES BLDG, 100 EAST 10TH ST   TYPE-  IC COUNTY-RAMSEY
               SMOKE ABATEMENT BOARD, CITY DEPARTMENT OF PUBLIC UTILITIES       POP CL-5  43

MISSISSIPPI
 JACKSON COUNTY
  SITE 01      OCEAN SPRINGS GULF COAST LAB, DAVIS BAY   TYPE-   N DAVIS BAY
               GULF COAST RESEARCH LAB INSTITUTIONS OF HIGHER LEARNING          GULF CST   0

MISSOURI
 KANSAS CITY
  SITE 01      POLICE GARAGE 1325 OAK STREET                 TYPE-  IC COUNTY-JACKSON
               CITY DEPARTMENT OF PUBLIC HEALTH                                 POP CL-4  12
```

```
ST LOUIS
 SITE 01      P O  BUILDING, 18TH AND MARKET STREETS     TYPE-   C COUNTY-ST LOUIS CITY M
              DIVISION AIR POLLUTION CONTROL. CITY DEPT OF PUBLIC SAFETY        POP CL-3  58

 SITE 02      215 SOUTH 12TH BOULEVARD                   TYPE-  1C COUNTY-ST LOUIS
              UNITED STATES PUBLIC HEALTH SERVICE                               POP CL-3   9

SHANNON COUNTY
 SITE 01      EMINENCE FIRE CONTROL TOWER, ST HWY 19     TYPE-   N EMINENCE FIRE CONTROL TW
              MISSOURI STATE CONSERVATION COMMISSION AND ST HEALTH DEPARTMENT  FOREST   100

MONTANA
 GLACIER NATIONAL PARK
  SITE 01     ST MARY RANGER STATION (BARB)              TYPE-   N GLAC NATL PK BOX 14
              NATIONAL PARK SERVICE                                             MOUNTAIN   3

 HELENA
  SITE 01     STATE LAB BLDG, LOCKEY AV AND N ROB STS    TYPE-  RC COUNTY-LEWIS + CLARK
              STATE BOARD OF HEALTH                                             POP CL-8  25

NEBRASKA
 OMAHA
  SITE 01     CITY HALL, 18TH AND FARNAM STREETS         TYPE-  IC COUNTY-DOUGLAS
              SMOKE ABATEMENT DIVISION. CITY DEPARTMENT OF PUBLIC SAFETY        POP CL-5 110

 THOMAS COUNTY
  SITE 01     BESSEY NURSERY, NEBRASKA NATIONAL FOREST   TYPE-   N NEBRASKA NATIONAL FOREST
              UNITED STATES FOREST SERVICE                                      FARMLAND   5

NEVADA
 LAS VEGAS
  SITE 01     FIRE ALARM BLDG, SECOND AND STEWART STS    TYPE-  IC COUNTY-CLARK
              CLARK COUNTY DISTRICT HEALTH DEPARTMENT                           POP CL-6  62

 RENO
  SITE 01     COUNTY-CITY HLTH DEPT, 10 KIRMAN STREET    TYPE-  RC COUNTY-WASHOE
              CITY-COUNTY DISTRICT HEALTH DEPARTMENT                            POP CL-6  20

 WHITE PINE COUNTY
  SITE 01     LEHMAN CAVES NATIONAL MONUMENT             TYPE-   N LEHMAN CAVES NATL MON
              NATIONAL PARK SERVICE                                             DESERT     3

NEW HAMPSHIRE
 CONCORD
  SITE 01     61 SOUTH SPRING STREET                     TYPE-  RC COUNTY-MERRIMACK
              STATE DEPARTMENT OF HEALTH  + WELFARE                             POP CL-7  30

 COOS COUNTY
  SITE 01     U S FISH CUL STA, WHITE MTN NAT FOR        TYPE-   N WHITE MOUNTAIN NAT FOR
              UNITED STATES FISH AND WILDLIFE SERVICE                           FOREST     0

NEW JERSEY
 BAYONNE
  SITE 01     BAYONNE HOSPITAL RD, 29TH STREET           TYPE-  IR COUNTY-HUDSON
              BAYONNE DEPARTMENT OF HEALTH                                      POP CL-6  50

 BURLINGTON COUNTY
  SITE 02     J KANE NURSERY 2102 MARLTON PIKE           TYPE-  RC COUNTY-BURLINGTON
              CHERRY HILL BOARD OF HEALTH                                       POP CL-9  12

 CAMDEN
  SITE 01     FIRE HQ BLDG, THIRD AND ARCH STS           TYPE- IRC COUNTY-CAMDEN
              BUREAU OF FIRE, DEPARTMENT OF PUBLIC SAFETY                       POP CL-5  30

 ELIZABETH
  SITE 01     THOMAS JEFFERSON HIGH SCH, 27 E SCOTT ST   TYPE-   R COUNTY-UNION
              CITY BOARD OF HEALTH                                              POP CL-5  63

 GLASSBORO
  SITE 01     BOSS HART HALL GLASSBORO STATE COLLEGE     TYPE-  RC COUNTY-GLOUCESTER
              STATE OF NEW JERSEY                                               POP CL-8  40

 HAMILTON
  SITE 01     MUNICIPAL BLDG 2090 GREENWOOD AVENUE       TYPE-   I COUNTY-MERCER
              HAMILTON TOWNSHIP HEALTH DEPARTMENT                               POP CL-6  50

 JERSEY CITY
  SITE 01     MEDICAL CENTER GARAGE BLDG, CORNFILSON AV TYPE-  IR COUNTY-HUDSON
              CITY BOARD OF HEALTH                                              POP CL-5  85

 NEWARK
  SITE 01     920 BROAD STREET, CITY HALL                TYPE-  1C COUNTY-ESSEX
              CITY DEPARTMENT OF HEALTH AND WELFARE                             POP CL-4  65
```

```
PATERSON
 SITE 01      BOARD OF HEALTH ROOF-MILL AND PASSAIC STS TYPE-  IC COUNTY-PASSAIC
              PATERSON BOARD OF HEALTH                                         POP CL-5  32

PERTH AMBOY
 SITE 01      HEALTH DEPT, 260 HIGH STREET                TYPE-   R COUNTY-MIDDLESEX
              BUREAU OF AIR POLLUTION CONTROL                                  POP CL-7  15

TRENTON
 SITE 01      STATE HOUSE ANNEX, WEST STATE ST            TYPE- IRC COUNTY-MERCER
              BUREAU OF ADULT + OCCUPATIONAL HEALTH                            POP CL-5  60

NEW MEXICO
 ALBUQUERQUE
 SITE 01      100 BLOCK AT TIJERAS AVE NE                 TYPE- IRC COUNTY-BERNALILLO
              ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH                   POP CL-5  42

RIO ARRIBA COUNTY
 SITE 01      WEST OF WATER FILTER PLANT                  TYPE-   N WATER FILTER PLANT
              RIO ARRIBA COUNTY                                                MOUNTAIN   7

NEW YORK
 AKRON
 SITE 01      AKRON SEWAGE TREATMENT PLANT                TYPE-   S COUNTY-ERIE
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                          POP CL-9   0

 ALBANY
 SITE 01      STATE DEPT OF HLTH BLDG, 84 HOLLAND AVE     TYPE-   R COUNTY-ALBANY
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                          POP CL-5  40

 BABYLON
 SITE 01      EAST FARMINGDALE WATER PLANT GAZZA BLVD     TYPE-  IS COUNTY-SUFFOLK
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                          POP CL-8  25

 BINGHAMTON
 SITE 02      COUNTY HEALTH BUILDING                      TYPE-   C COUNTY-BROOME
              STATE OF NEW YORK DEPARTMENT OF HEALTH                           POP CL-6  30

 SITE 03      NORTH HIGH                                  TYPE-  RC COUNTY-BROOME
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                           POP CL-6  50

 BUFFALO
 SITE 01      MUSEUM OF NATURAL SCIENCE, HUMBOLT PKWY     TYPE-  RC COUNTY-ERIE
              ERIE COUNTY HEALTH DEPARTMENT                                    POP CL-4  50

 SITE 03      P S 26 84 HARRISON STREET                   TYPE-   I COUNTY-ERIE
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                          POP CL-4  20

 CHEEKTOWAGA NW
 SITE 01      TOWN HALL                                   TYPE-   R COUNTY-ERIE
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                          POP CL-6  60

 CHEMUNG COUNTY
 SITE 02      BIGFLATS NO SITE ADDRESS                    TYPE-  IS COUNTY-CHEMUNG
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                           POP CL-9  10

 COLUMBIA COUNTY
 SITE 01      WATER TREATMENT PLANT                       TYPE-   S COUNTY-COLUMBIA
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                          POP CL-9  35

 ELMIRA
 SITE 01      MAINTENANCE BUILDING, HOH CANAL STREET      TYPE-  IR COUNTY-CHEMUNG
              CITY MAINTENANCE DEPARTMENT                                      POP CL-7  16

 ENDICOTT
 SITE 01      CHARLES F JOHNSON JUNIOR HIGH SCHOOL        TYPE-   R COUNTY-BROOME
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                           POP CL-8  15

 ENDICOTT
 SITE 02      GEORGE W JOHNSON ELEMENTARY SCHOOL          TYPE-  IR COUNTY-BROOME
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                           POP CL-8  45

 ERIE COUNTY
 SITE 11      HOLLAND WATER WORKS                         TYPE-   N COUNTY-ERIE
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                          POP CL-9   0

 GARDEN CITY
 SITE 01      ADMINISTRATION BUILDING                     TYPE-  RC COUNTY-NASSAU
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                           POP CL-8  90

 GLEN COVE
 SITE 01      POLICE GARAGE, 146 GLEN STREET              TYPE- IRC COUNTY-NASSAU
              CITY DEPARTMENT OF PUBLIC WORKS                                  POP CL-8  18
```

```
HEMPSTEAD
 SITE 01      OCEANSIDE SEW PUMP STAT                      TYPE-  IR COUNTY-NASSAU
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                             POP CL-7   3

HORSEHEADS
 SITE 01      HORSEHEAD SENIOR HIGH SCHOOL                 TYPE-  RC COUNTY-CHEMUNG
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                            POP CL-9  50

HUDSON
 SITE 01      HUDSON WATER TREATMENT PLANT                 TYPE-  IR COUNTY-COLUMBIA
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                            POP CL-8   0

JEFFERSON COUNTY
 SITE 01      FOG SIGNAL BLDG TIBBETTS PT LIGHT STA        TYPE-   N CAPE VINCENT
              UNITED STATES COAST GUARD                                          GT.LAKES  18

JOHNSON CITY
 SITE 01      JOHNSON CITY SR H S MAIN STREET              TYPE-   R COUNTY-BROOME
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                             POP CL-8  45

KINGS POINT
 SITE 01      SAMUELS HALL MARINE ACADEMY                  TYPE-   S COUNTY-NASSAU
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                             POP CL-9  50

KINGSTON
 SITE 01      ULSTER COUNTY OFFICE BUILDING                TYPE-  RC COUNTY-ULSTER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                            POP CL-7  90

LACAWANNA
 SITE 01      SEWAGE TREATMENT PLANT                       TYPE-  IR COUNTY-ERIE
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                            POP CL-7   0

 SITE 02      OUR LADY OF VICTORY CONVENT                  TYPE-   C COUNTY-ERIE
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                            POP CL-7  80

MASSENA
 SITE 01      CITY SEWAGE TREATMENT PLANT, E ORVIS ST      TYPE- IRC COUNTY-ST LAWRENCE
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                            POP CL-8  13


MT VERNON
 SITE 01      CITY HALL BLDG                               TYPE-   C COUNTY-WESTCHESTER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                            POP CL-6  40

NASSAU COUNTY
 SITE 02      OYSTER BAY, NO SITE ADDRESS                  TYPE-(*)  COUNTY-NASSAU
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                             POP CL-9 (*)

 SITE 03      CO. SANITARIUM PLAINVIEW, OYSTER BAY         TYPE-  IS COUNTY-NASSAU
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                             POP CL-9  30

 SITE 04      OYSTER BAY WATER DISTRICT                    TYPE-   S COUNTY-NASSAU
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                             POP CL-9   3

NEW PALTZ
 SITE 01      VILLAGE GARAGE                               TYPE-   S COUNTY-ULSTER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                            POP CL-9  15

NEW ROCHELLE
 SITE 02      HEALTH DEPARTMENT                            TYPE- RCS COUNTY-WESTCHESTER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                            POP CL-6  40

NEW YORK CITY
 SITE 01      HARLEM COURT HOUSE, 170 EAST 121 STREET   TYPE-  RC COUNTY-BRONX
              DEPARTMENT OF AIR POLLUTION CONTROL                                POP CL-1 075

 SITE 12      N Y UNTY (HGTS CAMPUS) 1911 OSBORN PL     TYPE- IRC COUNTY-BRONX
              CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL               POP CL-1  10

 SITE 13      CENTRAL PARK-BELVEDERE TOWER 79 STREET    TYPE-   R COUNTY-NEW YORK
              CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL               POP CL-1  40

 SITE 14      BUREAU OF LABORITIES 170 E 121 ST         TYPE-  RC COUNTY-NEW YORK
              CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL               POP CL-1  20

 SITE 22      SAMUEL GOMPERS H S 445 SOUTHERN BLVD      TYPE-  IC COUNTY-BRONX
              CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL               POP CL-1  75

 SITE 23      N ENTRANCE OF 59ST BRIDGE 59ST+BRIDGE PL  TYPE-  IC COUNTY-NEW YORK
              CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL               POP CL-1  10

 SITE 24      SHERATON WHITEHALL BLDG 17 BATTERY PLACE  TYPE-   C COUNTY-NEW YORK
              CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL               POP CL-1 350
 SITE 26      FRHS (ENG CO 258) 10-40 47 AVE LG ISL CTY TYPE- IRC COUNTY-QUEENS
              CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL              POP CL-1  55

 SITE 27      BROOKLYN POLYTECHNIC INSTITUTE 333 JAY ST TYPE- IRC COUNTY-KINGS
              CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL              POP CL-1  35

 SITE 28      WILLOWBROOK HOSPITAL STATON ISLAND        TYPE-   S COUNTY-RICHMOND
              CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL              POP CL-1  20


OSSINING
 SITE 01      HIGHLANDS AVENUE HIGH SCHOOL              TYPE-   C COUNTY-WESTCHESTER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-8  45

POUGHKEEPSIE
 SITE 01      POUGHKEEPSIE WATER WORKS                  TYPE-   R COUNTY-DUTCHESS
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-7  30

ROCHESTER
 SITE 01      FIRE HQ BUILDING, 185 NORTH STREET        TYPE-   C COUNTY-MONROE
              MONROE COUNTY HEALTH DEPARTMENT                                   POP CL-5  30

ROCKVILLE CTR
 SITE 01      NO SITE ADDRESS                           TYPE- IRC COUNTY-NASSAU
              STATE OF NEW YORK,DEPARTMENT OF HEALTH                            POP CL-7   3

SAUGERTIES
 SITE 01      MALDEN SERVICE AREA                       TYPE-  IN COUNTY-DUTCHESS
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-9  12

SCHENECTADY
 SITE 01      CITY HALL, 105 JAY STREET                 TYPE-  RC COUNTY-SCHENECTADY
              CITY HEALTH DEPARTMENT                                            POP CL-6  80

SCHENECTADY COUNTY
 SITE 11      BEVIS HILL RESERVOIR                      TYPE-   R COUNTY-SCHENECTADY
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-9   0

SLOAN
 SITE 01      WOODROW WILSON SCHOOL                     TYPE-   R COUNTY-ERIE
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-9  50

SOUTHAMPTON
 SITE 01      COUNTY CENTER BUILDING                    TYPE-   S COUNTY-SUFFOLK
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-9  22

SUFFOLK COUNTY
 SITE 01      STATE UNIVERSITY, STONY BROOK             TYPE-  RS COUNTY-SUFFOLK
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-9  50

 SITE 02      SUFFOLK WATER AUTHORITY, BARTON AVENUE    TYPE-   R COUNTY-SUFFOLK
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-9   0

 SITE 11      BRENTWOOD HIGH SCHOOL                     TYPE-(*)  COUNTY-SUFFOLK
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-9 (*)

 SITE 22      DISTRICT COURT BUILDING                   TYPE-   C COUNTY-SUFFOLK
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-9  50

 SITE 31      HOME OF SEYMOUR HECKER                    TYPE-   R COUNTY-SUFFOLK
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-9   0

SYRACUSE
 SITE 01      WATER DEPT MAINT BLDG 101 N BEECH STREET  TYPE-   C COUNTY-ONONDAGA
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-5  15


TONAWANDA
 SITE 01      SHERIDAN PARKSIDE SCHOOL                  TYPE-   R COUNTY-ERIE
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-8  65

TROY
 SITE 01      RICKETT'S BUILDING, RPI CAMPUS            TYPE-  RC COUNTY-RENNSELAER
              DIVISION OF ENVIRONMENTAL ENG RENNSELAER POLYTECHNIC INSTITUTE   POP CL-6  60

 SITE 02      TROY HIGH SCHOOL                          TYPE-  RC COUNTY-RENNSELAER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-6  80

UTICA
 SITE 01      CITY HEALTH OFFICE BLDG, 406 ELIZABETH ST TYPE-   C COUNTY-ONEIDA
              CITY HEALTH DEPARTMENT                                            POP CL-5  15

WESTCHESTER COUNTY
 SITE 01      PRIMROSE ST ELEMENTARY SCHOOL SOMERS      TYPE-   N COUNTY-WESTCHESTER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                           POP CL-9  30
```

```
WHITE PLAINS
 SITE 01      COUNTY BUILDING 148 MARTINE AVENUE         TYPE-   C COUNTY-WESTCHESTER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                         POP CL-6 150

YONKERS
 SITE 02      WATER TREATMENT PLANT                      TYPE-   R COUNTY-WESTCHESTER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                         POP CL-5  20

NORTH CAROLINA
 ASHEVILLE
 SITE 01      GROVE ARCADE BLDG, BATTERY PARK AVENUE     TYPE-   C COUNTY-BUNCOMBE
              BUNCOMBE COUNTY HEALTH DEPARTMENT                               POP CL-6  45

 CHARLOTTE
 SITE 01      FIRE DEPT BLDG, 128 SOUTH DAVIDSON ST      TYPE-   C COUNTY-BRUNSWICK
              CITY HEALTH DEPARTMENT                                          POP CL-5  40

 CAPE HATTERAS NAT SEA
 SITE 01      BODIE ISLAND CAPE HATTERAS REC AREA        TYPE-   N CAPE HATTERAS
              NATIONAL PARK SERVICE                                           EAST CST   7

NORTH DAKOTA
 BISMARCK
 SITE 01      MEMORIAL BUILDING, 213 SIXTH STREET        TYPE-   C COUNTY-BURLEIGH
              CITY DEPARTMENT OF HEALTH AND BUILDING INSPECTION               POP CL-7  30

 FARGO
 SITE 01      CIVIC CENTER ROOF 201 NO. 4TH              TYPE-   C COUNTY-CASS
              CITY HEALTH DEPARTMENT                                          POP CL-7  24

 WARD COUNTY
 SITE 01      MAINT BLDG UP. SOURIS, LAKE DARLING        TYPE-   N LAKE DARLING
              UNITED STATES FISH AND WILDLIFE SERVICE                         FARMLAND  12

OHIO
 ADAMS COUNTY
 SITE 01      ADAMS COUNTY HOSPITAL WEST UNION OHIO      TYPE-   S COUNTY-ADAMS
              OHIO DEPARTMENT OF HEALTH                                       POP CL-9  25

 AKRON
 SITE 01      FIRE STATION NO. 4, 821 COBURN STREET      TYPE- IRC COUNTY-SUMMIT
              CITY DEPARTMENT OF HEALTH                                       POP CL-5  30

 CANTON
 SITE 01      CITY HALL                                  TYPE-   C COUNTY-STARK
              OHIO DEPT. OF HEALTH                                            POP CL-5  23

 CINCINNATI
 SITE 01      PUBLIC LIBRARY BUILDING, 800 VINE STREET   TYPE-   C COUNTY-HAMILTON
              BUR OF AIR POLL CONTROL AND HEATING INSP CITY DEPT OF SAFETY    POP CL-4  80

 SITE 02      COLLEGE HILL 1654 MARLOWE AVENUE           TYPE-   R COUNTY-HAMILTON
              CITY OF CINCINNATI DIVISION OF AIR POLLUTION CONTROL            POP CL-4  30

 SITE 03      CENTRAL AVENUE AND ANN STREET              TYPE-   C COUNTY-HAMILTON
              CITY OF CINCINNATI DIV OF AIR POLLUTION CONTROL                 POP CL-4  25

 CLEVELAND
 SITE 01      CLEVELAND HEALTH MUSEUM, 8911 EUCLID AVE   TYPE-   C COUNTY-CUYAHOGA
              CITY DEPARTMENT OF HEALTH AND WELFARE                           POP CL-3  50

 COLUMBUS
 SITE 01      HLTH + SAFETY CENTER, 181 S WASH BLVD      TYPE-  IC COUNTY-FRANKLIN
               CIYT DIV OF SMOKE REGULATION AND INSP DEPT OF PUBLIC SAFETY    POP CL-4  62

 DAYTON
 SITE 01      MUNICIPAL BUILDING, 101 W. THIRD STREET    TYPE-   I COUNTY-MONTGOMERY
              CITY BUR OF COMBUSTION CONTROL, CITY DIV OF BLDG INSPECTION     POP CL-5  88

 EAST LIVERPOOL
 SITE 01      MUNICIPAL BLDG 126 W 6TH ST E LIVERPOOL O  TYPE-   C COUNTY-COLUMBIANA
              OHIO DEPARTMENT OF HEALTH                                       POP CL-8  15

 FRANKLIN
 SITE 01      FOURTH AND MAIN STREETS FRANKLIN OHIO      TYPE-   C COUNTY-WARREN
              OHIO DEPARTMENT OF HEALTH                                       POP CL-9  45

 GREENVILLE
 SITE 01      MILK PROD ASSOC 200 E 3RD ST GREENVILLE O  TYPE-   C COUNTY-DARKE
              OHIO DEPARTMENT OF HEALTH                                       POP CL-8  30

 HAMILTON
 SITE 01      2 HIGH STREET HAMILTON OHIO                TYPE-   C COUNTY-BUTLER
              OHIO DEPARTMENT OF HEALTH                                       POP CL-6 110
```

```
LORAIN
 SITE 01     WATER WORKS OFFICE BLDG, 1106 FIRST ST     TYPE-  IC COUNTY-LORAIN
             CITY DEPARTMENT OF PUBLIC SERVICE                                      POP CL-6  15

MARYSVILLE
 SITE 01     SOUTH MAIN AND SIXTH STREETS MARYSVILLE O TYPE-   C COUNTY-UNION
             OHIO DEPARTMENT OF HEALTH                                              POP CL-9  20

NAPOLEON
 SITE 01     726 N PERRY ST NAPOLEON OHIO               TYPE-   C COUNTY-HENRY
             OHIO DEPARTMENT OF HEALTH                                              POP CL-9  34

NEWARK
 SITE 01     CENTRAL FIRE STATION 75 S 4TH ST NEWARK O TYPE-   C COUNTY-LICKING
             OHIO DEPARTMENT OF HEALTH                                              POP CL-7  20

PAINESVILLE
 SITE 01     7 RICHMOND STREET                          TYPE-   C COUNTY-LAKE
             OHIO DEPARTMENT OF HEALTH                                              POP CL-8  18

PORTSMOUTH
 SITE 01     1001 NINTH STREET                          TYPE-   C COUNTY-SCIOTO
             OHIO DEPARTMENT OF HEALTH                                              POP CL-7  30

STEUBENVILLE
 SITE 01     CITY ANNEX BUILDING, 308 MARKET STREET     TYPE-   C COUNTY-JEFFERSON
             CITY OF STEUBENVILLE AIR POLLUTION BUREAU                              POP CL-7  30

TOLEDO
 SITE 01     WATER DEPARTMENT GARAGE, 565 N ERIE ST     TYPE-  IC COUNTY-LUCAS
             DIV OF AIR AND WATER POLL CONTROL, CITY DEPT OF PUBLIC SERVICE         POP CL-5  24

UPPER SANDUSKY
 SITE 01     WYANDOT COUNTY COURT HOUSE                 TYPE-   C COUNTY-WYANDOT
             OHIO DEPARTMENT OF HEALTH                                              POP CL-9  50

VAN WERT
 SITE 01     107 WEST CRAWFORD STREET VAN WERT OHIO     TYPE-   C COUNTY-VAN WERT
             OHIO DEPARTMENT OF HEALTH                                              POP CL-8  11

WARREN
 SITE 01     160 HIGH STREET WARREN OHIO                TYPE-   C COUNTY-TRUMBULL
             OHIO DEPARTMENT OF HEALTH                                              POP CL-6  65

WASHINGTON COURT HOUSE
 SITE 01     JESS-GILMORE BLDG WASHINGTON C H OHIO      TYPE-   C COUNTY-FAYETTE
             OHIO DEPARTMENT OF HEALTH                                              POP CL-8  21

WOOSTER
 SITE 01     534 NORTH MARKET STREET                    TYPE-   C COUNTY-WAYNE
             OHIO DEPARTMENT OF HEALTH                                              POP CL-8  28

YOUNGSTOWN
 SITE 01     CITY HALL, BOARDMAN AND PHELPS STREETS     TYPE-  IC COUNTY-MAHONING
             DIVISION OF ENGINEERING, CITY DEPARTMENT OF PUBLIC WORKS               POP CL-5 105

OKLAHOMA
 CHEROKEE COUNTY
  SITE 01    TAHLEQUAH CITY WATER PLANT                 TYPE-   N CHEROKEE COUNTY OKLA
             CHEROKEE COUNTY HEALTH DEPARTMENT                                      FARMLAND   4

 OKLAHOMA CITY
  SITE 01    MUNIC BLDG, 200 N WALKER ST AND COUCH DR   TYPE-   C COUNTY-OKLAHOMA
             CITY-COUNTY HEALTH DEPARTMENT                                          POP CL-5  77

 TULSA
  SITE 01    HEALTH DEPT BLDG, 4616 EAST 15TH ST        TYPE-   R COUNTY-TULSA
             CITY-COUNTY HEALTH DEPARTMENT                                          POP CL-5  19

OREGON
 CURRY COUNTY
  SITE 01    CAPE BLANCO LIGHT STATION, PO BOX N SIXES  TYPE-   N CURRY COUNTY OREGON
             UNITED STATES COAST GUARD                                              WEST CST   3

 EUGENE
  SITE 01    LANE CO COURTHOUSE, 7TH AVE AND OAK ST     TYPE- IRC COUNTY-LANE
             STATE SANITARY AUTHORITY, STATE BOARD OF HEALTH                        POP CL-6  50

 MEDFORD
  SITE 01    JACKSON CO CT HOUSE ANX 10 S OAKDALE ST    TYPE-  RC COUNTY-JACKSON
             STATE SANITARY AUTHORITY, STATE BOARD OF HEALTH                        POP CL-8  40
```

```
WHITE PLAINS
 SITE 01      COUNTY BUILDING 148 MARTINE AVENUE          TYPE-   C COUNTY-WESTCHESTER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                                 POP CL-6 150

YONKERS
 SITE 02      WATER TREATMENT PLANT                       TYPE-   R COUNTY-WESTCHESTER
              STATE OF NEW YORK, DEPARTMENT OF HEALTH                                 POP CL-5  20

NORTH CAROLINA
 ASHEVILLE
  SITE 01     GROVE ARCADE BLDG, BATTERY PARK AVENUE      TYPE-   C COUNTY-BUNCOMBE
              BUNCOMBE COUNTY HEALTH DEPARTMENT                                       POP CL-6  45

 CHARLOTTE
  SITE 01     FIRE DEPT BLDG, 128 SOUTH DAVIDSON ST       TYPE-   C COUNTY-BRUNSWICK
              CITY HEALTH DEPARTMENT                                                  POP CL-5  40

 CAPE HATTERAS NAT SEA
  SITE 01     BODIE ISLAND CAPE HATTERAS REC AREA         TYPE-   N CAPE HATTERAS
              NATIONAL PARK SERVICE                                                   EAST CST   7

NORTH DAKOTA
 BISMARCK
  SITE 01     MEMORIAL BUILDING, 213 SIXTH STREET         TYPE-   C COUNTY-BURLEIGH
              CITY DEPARTMENT OF HEALTH AND BUILDING INSPECTION                       POP CL-7  30

 FARGO
  SITE 01     CIVIC CENTER ROOF 201 NO. 4TH               TYPE-   C COUNTY-CASS
              CITY HEALTH DEPARTMENT                                                  POP CL-7  24

 WARD COUNTY
  SITE 01     MAINT BLDG UP. SOURIS, LAKE DARLING         TYPE-   N LAKE DARLING
              UNITED STATES FISH AND WILDLIFE SERVICE                                 FARMLAND  12

OHIO
 ADAMS COUNTY
  SITE 01     ADAMS COUNTY HOSPITAL WEST UNION OHIO       TYPE-   S COUNTY-ADAMS
              OHIO DEPARTMENT OF HEALTH                                               POP CL-9  25

 AKRON
  SITE 01     FIRE STATION NO. 4, 821 COBURN STREET       TYPE- IRC COUNTY-SUMMIT
              CITY DEPARTMENT OF HEALTH                                               POP CL-5  30

 CANTON
  SITE 01     CITY HALL                                   TYPE-   C COUNTY-STARK
              OHIO DEPT. OF HEALTH                                                    POP CL-5  23

 CINCINNATI
  SITE 01     PUBLIC LIBRARY BUILDING, 800 VINE STREET  TYPE-   C COUNTY-HAMILTON
              BUR OF AIR POLL CONTROL AND HEATING INSP CITY DEPT OF SAFETY            POP CL-4  80

  SITE 02     COLLEGE HILL 1654 MARLOWE AVENUE            TYPE-   R COUNTY-HAMILTON
              CITY OF CINCINNATI DIVISION OF AIR POLLUTION CONTROL                    POP CL-4  30

  SITE 03     CENTRAL AVENUE AND ANN STREET               TYPE-   C COUNTY-HAMILTON
              CITY OF CINCINNATI DIV OF AIR POLLUTION CONTROL                         POP CL-4  25

 CLEVELAND
  SITE 01     CLEVELAND HEALTH MUSEUM, 8911 EUCLID AVE  TYPE-   C COUNTY-CUYAHOGA
              CITY DEPARTMENT OF HEALTH AND WELFARE                                   POP CL-3  50

 COLUMBUS
  SITE 01     HLTH + SAFETY CENTER, 181 S WASH BLVD       TYPE-  IC COUNTY-FRANKLIN
               CIYT DIV OF SMOKE REGULATION AND INSP DEPT OF PUBLIC SAFETY            POP CL-4  62

 DAYTON
  SITE 01     MUNICIPAL BUILDING, 101 W. THIRD STREET     TYPE-   I COUNTY-MONTGOMERY
              CITY BUR OF COMBUSTION CONTROL, CITY DIV OF BLDG INSPECTION             POP CL-5  88

 EAST LIVERPOOL
  SITE 01     MUNICIPAL BLDG 126 W 6TH ST E LIVERPOOL O TYPE-   C COUNTY-COLUMBIANA
              OHIO DEPARTMENT OF HEALTH                                               POP CL-8  15

 FRANKLIN
  SITE 01     FOURTH AND MAIN STREETS FRANKLIN OHIO       TYPE-   C COUNTY-WARREN
              OHIO DEPARTMENT OF HEALTH                                               POP CL-9  45

 GREENVILLE
  SITE 01     MILK PROD ASSOC 200 E 3RD ST GREENVILLE O TYPE-   C COUNTY-DARKE
              OHIO DEPARTMENT OF HEALTH                                               POP CL-8  30

 HAMILTON
  SITE 01     2 HIGH STREET HAMILTON OHIO                 TYPE-   C COUNTY-BUTLER
              OHIO DEPARTMENT OF HEALTH                                               POP CL-6 110
```

```
LORAIN
 SITE 01     WATER WORKS OFFICE BLDG, 1106 FIRST ST     TYPE-  IC COUNTY-LORAIN
             CITY DEPARTMENT OF PUBLIC SERVICE                                 POP CL-6  15


MARYSVILLE
 SITE 01     SOUTH MAIN AND SIXTH STREETS MARYSVILLE O TYPE-   C COUNTY-UNION
             OHIO DEPARTMENT OF HEALTH                                         POP CL-9  20

NAPOLEON
 SITE 01     726 N PERRY ST NAPOLEON OHIO              TYPE-   C COUNTY-HENRY
             OHIO DEPARTMENT OF HEALTH                                         POP CL-9  34

NEWARK
 SITE 01     CENTRAL FIRE STATION 75 S 4TH ST NEWARK O TYPE-   C COUNTY-LICKING
             OHIO DEPARTMENT OF HEALTH                                         POP CL-7  20

PAINESVILLE
 SITE 01     7 RICHMOND STREET                         TYPE-   C COUNTY-LAKE
             OHIO DEPARTMENT OF HEALTH                                         POP CL-8  18

PORTSMOUTH
 SITE 01     1001 NINTH STREET                         TYPE-   C COUNTY-SCIOTO
             OHIO DEPARTMENT OF HEALTH                                         POP CL-7  30

STEUBENVILLE
 SITE 01     CITY ANNEX BUILDING, 308 MARKET STREET    TYPE-   C COUNTY-JEFFERSON
             CITY OF STEUBENVILLE AIR POLLUTION BUREAU                         POP CL-7  30

TOLEDO
 SITE 01     WATER DEPARTMENT GARAGE, 565 N ERIE ST    TYPE-  IC COUNTY-LUCAS
             DIV OF AIR AND WATER POLL CONTROL, CITY DEPT OF PUBLIC SERVICE    POP CL-5  24

UPPER SANDUSKY
 SITE 01     WYANDOT COUNTY COURT HOUSE                TYPE-   C COUNTY-WYANDOT
             OHIO DEPARTMENT OF HEALTH                                         POP CL-9  50

VAN WERT
 SITE 01     107 WEST CRAWFORD STREET VAN WERT OHIO    TYPE-   C COUNTY-VAN WERT
             OHIO DEPARTMENT OF HEALTH                                         POP CL-8  11

WARREN
 SITE 01     160 HIGH STREET WARREN OHIO               TYPE-   C COUNTY-TRUMBULL
             OHIO DEPARTMENT OF HEALTH                                         POP CL-6  65

WASHINGTON COURT HOUSE
 SITE 01     JESS-GILMORE BLDG WASHINGTON C H OHIO     TYPE-   C COUNTY-FAYETTE
             OHIO DEPARTMENT OF HEALTH                                         POP CL-8  21

WOOSTER
 SITE 01     534 NORTH MARKET STREET                   TYPE-   C COUNTY-WAYNE
             OHIO DEPARTMENT OF HEALTH                                         POP CL-8  28

YOUNGSTOWN
 SITE 01     CITY HALL, BOARDMAN AND PHELPS STREETS    TYPE-  IC COUNTY-MAHONING
             DIVISION OF ENGINEERING, CITY DEPARTMENT OF PUBLIC WORKS          POP CL-5 105

OKLAHOMA
 CHEROKEE COUNTY
 SITE 01     TAHLEQUAH CITY WATER PLANT                TYPE-   N CHEROKEE COUNTY OKLA
             CHEROKEE COUNTY HEALTH DEPARTMENT                                 FARMLAND   4


OKLAHOMA CITY
 SITE 01     MUNIC BLDG, 200 N WALKER ST AND COUCH DR  TYPE-   C COUNTY-OKLAHOMA
             CITY-COUNTY HEALTH DEPARTMENT                                     POP CL-5  77

TULSA
 SITE 01     HEALTH DEPT BLDG, 4616 EAST 15TH ST       TYPE-   R COUNTY-TULSA
             CITY-COUNTY HEALTH DEPARTMENT                                     POP CL-5  19

OREGON
 CURRY COUNTY
 SITE 01     CAPE BLANCO LIGHT STATION, PO BOX N SIXES TYPE-   N CURRY COUNTY OREGON
             UNITED STATES COAST GUARD                                         WEST CST   3

EUGENE
 SITE 01     LANE CO COURTHOUSE, 7TH AVE AND OAK ST    TYPE- IRC COUNTY-LANE
             STATE SANITARY AUTHORITY, STATE BOARD OF HEALTH                   POP CL-6  50

MEDFORD
 SITE 01     JACKSON CO CT HOUSE ANX 10 S OAKDALE ST   TYPE-  RC COUNTY-JACKSON
             STATE SANITARY AUTHORITY, STATE BOARD OF HEALTH                   POP CL-8  40
```

```
PORTLAND                                                             C COUNTY-MULTNOMAH
 SITE 01      STATE OFFICE BUILDING, 1400 SW 5TH AVENUE TYPE-                          POP CL-5 125
              STATE SANITARY AUTHORITY, STATE BOARD OF HEALTH

PENNSYLVANIA
 ALLENTOWN                                             TYPE-   C COUNTY-LEHIGH
  SITE 01     CITY HALL ANNEX, 635 LINDEN STREET                                       POP CL-5  24
              CITY HEALTH DEPARTMENT

 ALTOONA                                                TYPE-  RC COUNTY-BLAIR
  SITE 01     CITY HALL, 12TH STREET AND 13TH AVENUE                                   POP CL-6  62
              CITY DEPARTMENT OF WATER, PARKS, AND PUBLIC PROPERTY

 BETHLEHEM                                              TYPE-   C COUNTY-NORTHUMBERLAND
  SITE 01     CITY HALL, 53 EAST BROAD STREET                                          POP CL-6  45
              CITY BUREAU OF HEALTH

 CLARION COUNTY                                         TYPE-   N COOK FOREST STATE PARK
  SITE 01     COOK FOREST STATE PARK                                                   MOUNTAIN  24
              STATE DEPARTMENT OF FORESTS AND WATERS

 ERIE
  SITE 01     UNITED STATES COURTHOUSE BLDG, 617-27 STA TYPE- IRC COUNTY-ERIE          POP CL-5  50
              CITY BUREAU OF ENGINEERS LICENSES AND SMOKE ABATEMENT

 JOHNSTOWN                                              TYPE-  IC COUNTY-CAMBRIA
  SITE 01     PUBLIC SAFETY BLDG, MARKET AND WASH STS                                  POP CL-6  80
              CITY FIRE DEPARTMENT

 LANCASTER                                              TYPE-  IC COUNTY-LANCASTER
  SITE 01     BUCHART OFFICE BLDG, 914 COLUMBIA AVENUE                                 POP CL-6  35
              STATE DEPARTMENT OF HEALTH


 PHILADELPHIA                                           TYPE-   I COUNTY-PHILADELPHIA
  SITE 01     A P C LABORATORY 3200 FRANKFORD AVE
              DIV OF AIR POLL CONTROL AND ENV SANITATION CITY DEPT OF PUB HLTH POP CL-2  27
                                                        TYPE-   R COUNTY-PHILADELPHIA
  SITE 02     2031 RACE STREET
              DIV OF AIR POLL CONT AND ENV SANITATION, CITY DEPT OF PUB HLTH   POP CL-2  15

 PITTSBURGH                                             TYPE-   C COUNTY-ALLEGHENY
  SITE 01     COUNTY OFFICE BLDG FORBES AVE AT ROSS ST                                 POP CL-4 160
              BUREAU OF AIR POLL CONTROL ALLEGHENY COUNTY DEPT OF HEALTH

 READING                                                TYPE- IRC COUNTY-BERKS
  SITE 01     CITY HALL, 8TH AND WASHINGTON STS.                                       POP CL-6  40
              CITY BUREAU OF HEALTH

 SCRANTON                                               TYPE-   C COUNTY-LACKAWANNA
  SITE 01     FIRE STATION, WASH AND MULBERRY ST                                       POP CL-5  15
              STATE DEPARTMENT OF HEALTH

 WARMINSTER                                             TYPE-   R COUNTY-BUCKS
  SITE 01     TREATMENT CONTROL BLDG, LOG CABIN DRIVE                                  POP CL-9  14
              STATE DEPARTMENT OF HEALTH

 WEST CHESTER                                           TYPE-   R COUNTY-CHESTER
  SITE 01     PLANT CONTROL BLDG, RT 3 AND WESTTOWN WAY                                POP CL-8  10
              STATE DEPARTMENT OF HEALTH

 YORK                                                   TYPE-   C COUNTY-YORK
  SITE 01     LAUREL FIRE CO BLDG, DUKE AND KING STS                                   POP CL-6  40
              CITY DEPARTMENT OF HEALTH

PUERTO RICO
 BAYAMON                                                TYPE-  15
  SITE 01     FORT BUCHANAN WAREHOUSE =616                                             POP CL-8  25
              PUERTO RICO DEPARTMENT OF HEALTH

 CATANO                                                 TYPE-   R COUNTY-CATANO
  SITE 01     PUBLIC HEALTH BUILDING, MARINA STREET                                    POP CL-4  15
              COMMONWEALTH OF PUERTO RICO DEPARTMENT OF HEALTH
                                                        TYPE-(*)  COUNTY-CATANO
  SITE 02                                                                              POP CL-4 (*)
              COMMONWEALTH OF PUERTO RICO DEPARTMENT OF HEALTH

 GUAYANILLA                                             TYPE-   N
  SITE 01     PUBLIC SCHOOL LUNCH ROOM BO MACANA                                       POP CL-9   9
              PUERTO RICO DEPARTMENT OF HEALTH

 LUQUILLO MTS                                           TYPE-   N MT BRITTON
  SITE 01     MT BRITTON                                                               FOREST    10
              PUERTO RICO DEPARTMENT OF HEALTH
```

```
PONCE
 SITE 01     LOPEZ MEMORIAL, CEMENTERIO ST, NO 20      TYPE-  RC
             PONCE DISTRICT HOSPITAL                                          POP CL-5  19

RHODE ISLAND
 EAST PROVIDENCE
  SITE 01    CENTRAL JR HIGH SCHOOL, TAUTON AVE        TYPE-  RC COUNTY-PROVIDENCE
             PROVIDENCE HEALTH DEPARTMENT                                     POP CL-7  48

 PROVIDENCE
  SITE 01    POLICE HQ BLDG, FOUNT ST AT LASALLE SQ    TYPE- IRC COUNTY-PROVIDENCE
             CITY DEPARTMENT OF BUILDING INSPECTION                           POP CL-5  45

 WASHINGTON COUNTY
  SITE 01    PINE HILL FIRE TOWER, EXETER              TYPE-   N PINE HILL FIRE TOWER
             STATE DEPARTMENT OF AGRICULTURE AND CONSERVATION                 FARMLAND  19

SOUTH CAROLINA
 COLUMBIA
  SITE 01    UNIVERSAL BLDG 1745-47 SUMTER STREET      TYPE-   C COUNTY-RICHLAND
             CITY PUBLIC WORKS DEPARTMENT                                     POP CL-6  27

 GREENVILLE
  SITE 01    CTY CURB MARKET ELFORD,MAIN STS           TYPE-   C COUNTY-GREENVILLE
             SOUTH CAROLINA POLLUTION CONTROL AUTHORITY                       POP CL-6  20

 RICHLAND COUNTY
  SITE 01    LIVESTOCK LAB, CLEMSON COLL, EXPER, STA,  TYPE-   N CLEMSON COLL EXP STA
             CLEMSON AGRICULTURE COLLEGE AND U S DEPT OF AGRICULTURE          FARMLAND 440

 ROCK HILL
  SITE 02    FIRE STATION 214 ELIZABETH LANE           TYPE-   C COUNTY-YORK
             SOUTH CAROLINA POLLUTION CONTROL AUTHORITY                       POP CL-7  24

SOUTH DAKOTA
 BLACK HILLS NAT FOREST
  SITE 01    TEPEE WORK CENTER                         TYPE-   N TEPEE WORK CENTER
             U S FOREST SERVICE                                               FOREST     2

 SIOUX FALLS
  SITE 01    CITY HALL, 224 WEST 9TH                   TYPE- IRC COUNTY-MINNEHAHA
             CITY HEALTH DEPARTMENT                                           POP CL-6  44

TENNESSEE
 CHATTANOOGA
  SITE 01    U S POST OFFICE 9TH ST AND GEORGIA AVE    TYPE-   C COUNTY-HAMILTON
             BUREAU OF AIR POLLUTION CONTROL AND BOILER INSPECTION            POP CL-5  85

 KNOXVILLE
  SITE 01    MASONIC TEMPLE, 505 LOCUST STREET         TYPE- IRC COUNTY-KNOX
             DIV OF SMOKE REG AND BOILER INSPECTION CITY DEPT OF PUB SAFETY   POP CL-5  70

 MEMPHIS
  SITE 01    HEALTH DEPT BLDG, 814 JEFFERSON ST        TYPE- IRC COUNTY-SHELBY
             MEMPHIS-SHELBY COUNTY HEALTH DEPARTMENT                          POP CL-4  26

 NASHVILLE
  SITE 01    CITY-COUNTY BUILDING, PUBLIC SQUARE       TYPE- IRC COUNTY-DAVIDSON
             BUREAU OF INSPECTION AND PERMITS, CITY DEPT OF PUBLIC WORKS      POP CL-5  90

TEXAS
 AUSTIN
  SITE 02    820 EAST 53RD STREET                      TYPE-  RC COUNTY-TRAVIS
             TEXAS STATE DEPARTMENT OF HEALTH                                 POP CL-5  20

 BAYTOWN
  SITE 01    ROSELAND PARK                             TYPE-   S COUNTY-HARRIS
             TEXAS STATE DEPARTMENT OF HEALTH                                 POP CL-7  12

  SITE 02    PARK STREET WATER TOWER                   TYPE-   C COUNTY-HARRIS
             TEXAS STATE DEPARTMENT OF HEALTH                                 POP CL-7  00

 CHAMBERS COUNTY
  SITE 01    BEACH CITY FIRE STA BEACH CITY TEXAS      TYPE-   N BEACH CITY FIRE STATION
             TEXAS STATE DEPARTMENT OF HEALTH                                 GULF CST   5

  SITE 02    MT BELVIEW FIRE STA MT BELVIEW TEXAS      TYPE-  IC MT BELVIEW FIRE STATION
             TEXAS STATE DEPARTMENT OF HEALTH                                 GULF CST   5

 CLUTE CITY
  SITE 01    COBB FIELD                                TYPE-   R COUNTY-BRAZORIA
             TEXAS STATE DEPARTMENT OF HEALTH                                 POP CL-9  18
```

```
CORPUS CHRISTI
 SITE 01      3041 MORGAN STREET                           TYPE-  RC COUNTY-NUECES
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-5  20

 SITE 02      8800 UPPER RIVER ROAD                        TYPE-   N COUNTY-NUECES
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-5  20

DALLAS
 SITE 01      CITY HALL, 2015 COMMERCE STREET              TYPE-   C COUNTY-DALLAS
              CITY HEALTH DEPARTMENT                                             POP CL-4  55

EL PASO
 SITE 01      118 WEST MISSOURI                            TYPE-  IN COUNTY-EL PASO
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-5  65

FT WORTH
 SITE 01      1000 THROCKMORTON                            TYPE-  RC COUNTY-TARRANT
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-5  50

GALVESTON
 SITE 01      CITY HALL                                    TYPE-  RC COUNTY-GALVESTON
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-6  70

HOUSTON
 SITE 01      SAM HOUSTON COLISEUM, 810 BAGBY STREET       TYPE-   C COUNTY-HARRIS
              CITY HEALTH DEPARTMENT                                             POP CL-3  50

LAREDO
 SITE 01      2420 SAN BERANRDO                            TYPE-   C COUNTY-WEBB
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-6   4


LUBBOCK
 SITE 01      SIXTH AND K                                  TYPE-  RC COUNTY-LUBBOCK
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-5  16

MCALLEN
 SITE 01      1920 BEECH AVENUE                            TYPE-  IR COUNTY-HIDALGO
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-7  30

MATAGORDA COUNTY
 SITE 01      COLORADO RIVER LOCKS                         TYPE-   N COLORADO RIVER LOCKS
              MATAGORDA COUNTY HEALTH DEPARTMENT                                 GULF CST   4

ODESSA
 SITE 01      SEVENTH AND N DIXIE STREETS                  TYPE- IRC COUNTY-ECTOR
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-6  12

ORANGE
 SITE 01      SEVENTH STREET AT ELM                        TYPE-  RC COUNTY-ORANGE
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-7  25

PASADENA
 SITE 01      ROOF OF CITY HALL, 1211 E. SOUTHMORE         TYPE-   C COUNTY-HARRIS
              HEALTH DEPARTMENT OF PASADENA                                      POP CL-6  15

PORT ARTHUR
 SITE 01      MEMORIAL BOULEVARD AND 32ND STREET           TYPE-   R COUNTY-JEFFERSON
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-6  20

SAN ANTONIO
 SITE 01      CORPORATION COURT, 302 S LAREDO              TYPE-   C COUNTY-BEXAR
              SAN ANTONIO METROPOLITAN HEALTH DISTRICT                           POP CL-4  15

TEXARKANA
 SITE 01      NEW BOSTON ROAD                              TYPE-  IC COUNTY-BOWIE
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-7   2

TEXAS CITY
 SITE 01      CITY HALL                                    TYPE- IRC COUNTY-GALVESTON
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-7  23

TYLER
 SITE 01      CITY HALL                                    TYPE-   C COUNTY-SMITH
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-6  24

WACO
 SITE 01      CITY HALL                                    TYPE-   C COUNTY-MC LENNAN
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-6  60

WICHITA FALLS
 SITE 01      604 BROAD STREET                             TYPE-  RC COUNTY-WICHITA
              TEXAS STATE DEPARTMENT OF HEALTH                                   POP CL-6  15
```

```
UTAH
 OGDEN
  SITE 01      2570 GRANT AVENUE                           TYPE-  RC COUNTY-WEBER
               WEBER COUNTY HEALTH DEPARTMENT                                          POP CL-6  15


 SALT LAKE CITY
  SITE [illegible]      HEALTH DEPT BLDG, 610 SOUTH 2ND EAST        TYPE- IRC COUNTY-SALT LAKE
               STATE DEPARTMENT OF HEALTH                                              POP CL-5  30

VERMONT
 BURLINGTON
  SITE 01      STATE HLTH BLDG, 115 COLCHESTER AVENUE      TYPE- IRC COUNTY-CHITTENDEN
               STATE DEPARTMENT OF HEALTH                                              POP CL-7  26

 ORANGE COUNTY
  SITE 01      VERMONT AGR AND TECH INST RANDOLPH CENTER TYPE-   N VERMONT AGR AND TECH INS
               STATE DEPARTMENT OF HEALTH                                              MOUNTAIN  35

VIRGINIA
 DANVILLE
  SITE 01      427 PATTON STREET                           TYPE-   I COUNTY-PITTSLYVANIA
               CITY HEALTH DEPARTMENT                                                  POP CL-7  60

 HAMPTON
  SITE 01      VA ELEC POWR CO OFF BLD, PEMBROKE + G ST    TYPE- IRC COUNTY-DINWIDDIE
               CITY HEALTH DEPARTMENT                                                  POP CL-6  33

 LYNCHBURG
  SITE 01      CITY HALL, 917 CHURCH STREET                TYPE-   C COUNTY-CAMPBELL
               CITY WATER DEPARTMENT                                                   POP CL-6  20

 NORFOLK
  SITE 01      CITY SOCIAL SERV BLDG, 635 E PLUME ST       TYPE-   C COUNTY-NORFOLK
               CITY HEALTH DEPARTMENT                                                  POP CL-5   5

 SHENANDOAH NATIONAL PK
  SITE 01      PARK ADMINISTRATION BUILDING                TYPE-   N PARK ADMINISTRATION BLDG
               NATIONAL PARK SERVICE                                                   FOREST   100

 PORTSMOUTH
  SITE 01      ROOF OF CITY HLTH BLDG, 301 S GREEN ST      TYPE-   C COUNTY-ISLE OF WIGHT
               PORTSMOUTH CITY HEALTH DEPARTMENT                                       POP CL-5  16

 RICHMOND
  SITE 01      MOSQUE BLDG, LAUREL AND MAIN STREETS        TYPE-  RC COUNTY-HENRICO
               CITY DIV OF AIR POLLUTION CONTROL, CITY DEPT OF PUBLIC SAFETY           POP CL-5  85

 ROANOKE
  SITE 01      HEALTH CENTER, 518 8TH STREET, SW           TYPE-  IC COUNTY-ROANOKE
               CITY DEPARTMENT OF AIR POLLUTION CONTROL                                POP CL-6  30

WASHINGTON
 AUBURN
  SITE 01      100 30TH NORTHEAST                          TYPE-  IC COUNTY-KING
               PUGET SOUND AIR POLLUTION CONTROL AGENCY                                POP CL-8  10

 BELLEVUE
  SITE 01      14822 BELLEVUE-REDMOND ROAD                 TYPE-  CS COUNTY-KING
               PUGET SOUND AIR POLLUTION CONTROL AGENCY                                POP CL-8  20


 EVERETT
  SITE 02      CITY HALL, WALL AND WETMORE                 TYPE-   C COUNTY-SNOHOMISH
               SNOHOMISH COUNTY HEALTH DEPARTMENT                                      POP CL-7  46

 KING COUNTY
  SITE 01      TOLT RIVER WATERSHED                        TYPE-   N TOLT RIVER WATERSHED
               PUGET SOUND AIR POLLUTION CONTROL AGENCY                                WEST CST  14

 RENTON
  SITE 01      12015 SOUTHEAST 128TH                       TYPE-  CS COUNTY-KING
               PUGET SOUND AIR POLLUTION CONTROL AGENCY                                POP CL-8  12

 SEATTLE
  SITE 01      PUBLIC SAFETY BUILDING 604-THIRD AVENUE     TYPE-   C COUNTY-KING
               PUGET SOUND AIR POLLUTION CONTROL AGENCY                                POP CL-4  80

  SITE 02      1510 SMITH TOWER, 2ND AVENUE  + WESLER      TYPE-   C COUNTY-KING
               WASHINGTON STATE HEALTH DEPARTMENT                                      POP CL-4 229

  SITE 03      1ST AVENUE SOUTH BRIDGE                     TYPE-   I COUNTY-KING
               WASHINGTON STATE HEALTH DEPARTMENT                                      POP CL-4  45
 SITE 05      3224-4TH AVENUE SOUTH                       TYPE-   I COUNTY-KING
              PUGET SOUND AIR POLLUTION CONTROL AGENCY                            POP CL-4  14

 SITE 06      5960 RAINIER AVENUE, SOUTH                  TYPE-   R COUNTY-KING
              PUGET SOUND AIR POLLUTION CONTROL AGENCY                            POP CL-4  12

 SITE 07      WEST COMMODORE WAY                          TYPE-  IC COUNTY-KING
              PUGET SOUND AIR POLLUTION CONTROL AGENCY                            POP CL-4  12

 SITE 08      16101 GREENWOOD AVENUE, NORTH               TYPE-   R COUNTY-KING
              PUGET SOUND AIR POLLUTION CONTROL AGENCY                            POP CL-4  10

 SITE 09      SEATTLE CENTER  305 HARRISON STREET         TYPE-  RC COUNTY-KING
              PUGET SOUND AIR POLLUTION CONTROL AGENCY                            POP CL-4  75

TACOMA
 SITE 01      901 TACOMA AVENUE SOUTH                     TYPE-   C COUNTY-PIERCE
              PUGET SOUND AIR POLLUTION CONTROL AGENCY                            POP CL-5  35

VANCOUVER                                                 TYPE-   C COUNTY-CLARK
 SITE 01      COURT HOUSE                                                         POP CL-7  55
              CLARK COUNTY AIR POLLUTION CONTROL AUTHORITY

WEST VIRGINIA
 CHARLESTON
  SITE 01     STATE PARKING BUILDING 212 CALIFORNIA       TYPE-  RC COUNTY-KANAWHA
              STATE DEPARTMENT OF HEALTH                                          POP CL-6  80

WISCONSIN
 DOOR COUNTY
  SITE 01     GOLF C EQPMNT BLDG, PENINSULA STATE PARK  TYPE-   N PENINSULA STATE PARK
              STATE CONSERVATION DEPARTMENT                                       GT.LAKES   0

 EAU CLAIRE
  SITE 01     314 EAST GRAND AVE  EAU CLAIRE              TYPE-   C COUNTY-EAU CLAIRE
              WISCONSIN STATE BOARD OF HEALTH                                     POP CL-7  62

 KENOSHA
  SITE 01     625-52ND STREET- VOCATIONAL SCHOOL          TYPE- IRC COUNTY-KENOSHA
              CITY HEALTH DEPARTMENT                                              POP CL-6  38

 MADISON
  SITE 01     CITY-COUNTY BUILDING, 202 MONONA AVENUE     TYPE-  IC COUNTY-DANE
              CITY DEPARTMENT OF PUBLIC HEALTH                                    POP CL-5  15

 MILWAUKEE
  SITE 01     PUBLIC LIBRARY, N WELLS AND N 9TH STS       TYPE-  IC COUNTY-MILWAUKEE
              MILWAUKEE COUNTY DEPARTMENT OF AIR POLLUTION CONTROL                POP CL-3  60

 RACINE
  SITE 01     RACINE POLICE DEPT THIRD AND LAKE AVE       TYPE-   C COUNTY-RACINE
              WISCONSIN STATE BOARD OF HEALTH                                     POP CL-6  25

 SUPERIOR
  SITE 01     DOUGLAS CO COURT HOUSE, 1313 BELKNAP ST     TYPE-   C COUNTY-DOUGLAS
              WISCONSIN STATE BOARD OF HEALTH                                     POP CL-7  39

WYOMING
 CASPER
  SITE 01     CITY COUNTY BLDG, CENTER + C STREETS        TYPE-   C COUNTY-NATRONA
              CASPER-NATRONA COUNTY HEALTH DEPARTMENT                             POP CL-7  75

 CHEYENNE
  SITE 01     STATE OFFICE BLDG, 23RD AND CENTRAL AVE     TYPE-   C COUNTY-LARAMIE
              STATE DEPARTMENT OF PUBLIC HEALTH                                   POP CL-7  53

 YELLOWSTONE PARK
  SITE 01     CHLORINE HOUSE, MAMMOTH AREA OF PARK        TYPE-   N MAMMOTH AREA OF PARK
              NATIONAL PARK SERVICE                                               MOUNTAIN   6
```